

AD-A211 168

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR

1/8

TINNEN AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

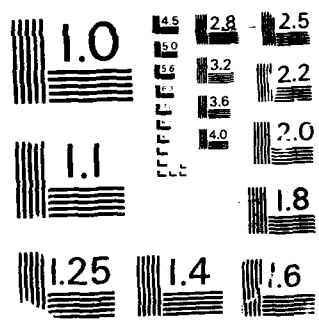
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL JUN 89

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USAFETAC/DS-89/207

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201-272-2727

31. 1. 1991

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ENVIRONMENTAL TECHNOLOGY
APPLICATIONS CENTER

SCOTT AIR FORCE BASE, ILLINOIS, 62201-7000

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AVIATION CLIMATE CHANGE

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REVIEW AND APPROVAL STATEMENT

USAFSTAC/OS-29/207, SUB-EACH INFORMATIONAL RELATIONSHIP OF A
 FINGER AND JK, JUNE 1949, HAS BEEN REVIEWED AND IS
 FOR PUBLIC RELEASE. THERE IS NO OBJECTION TO RELEASE
 OF THIS DOCUMENT TO THE PUBLIC AT LARGE, BY THE
 INFORMATION CENTER (DTIC) TO THE NATIONAL TECHNICAL
 (NTIS).

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Distribution /	
Availability Codes	
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A1	

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VIEW AND APPROVAL STATEMENT

7/20/7, SU-FAC- DIS-OVATION CLIMATIC SUMMARIES FOR
 1969, JUNE 1969, HAS BEEN REVIEWED AND IS APPROVED
 RELEASE. THERE IS NO OBJECTION TO UNLIMITED DISTRIBUTION
 TO THE PUBLIC AT LARGE, BY THE DEFENSE TECHNICAL
 CENTER (DTIC) TO THE NATIONAL TECHNICAL INFORMATION SERVICE

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REPORT OF THE JURY

14. REPORT SECURITY CLASSIFICATION: UNCLASSIFIED

1. DISSEMINATION/AVAILABILITY OF REPORT: APPROVED FOR RELEASE

.. 100-100100 REORGANIZATION OF PLANT 100-100100-100100

NAME OF RECEIVING ORGANIZATION: INTERNATIONAL LITERARY ACADEMY

TOPIC SYMPL: CA

LOCATION: FEDERAL BUILDING, ANN ARBOR, MI 48106-1701

11. TITLE: SURFACE OBSERVATION CLIMATE SURVEILLANCE (SOSUR) (U)

1.3. TYPE OF REPORT: DATA SUMMARY

10. THE CHARTER: JANUARY 1966 TO JANUARY 1967

14. ATTENTION: JUNE 1999

1. $\frac{1}{2}$ 2. $\frac{1}{3}$ 3. $\frac{1}{4}$ 4. $\frac{1}{5}$

1. SUPPLEMENTARY NOTATION: EFFECTIVE 1 JULY 1963, THIS NOTATION WILL BE REPEATEDLY KNOWN AS THE REVISED SUPPLEMENTARY NOTATION (REVISED) AND THE LIMITED SURFACE OBSERVATIONS OBSERVATION (LIMITED) AND DISCOS WILL CONTINUE IN USE, BUT WILL NOT BE

17. C. STATE CITIES: FIELD--24, 65-12--12

1. TIME OF OBS.: *CLIMATE, BY, *TEMPERATURE, WIND, *WIND
DIRECTION, *WINDSPEED, *CLOUD COVER, *SEA STATE, *HUMIDITY, *PRESSURE,
*RAIN, *WAVE HEIGHT, *VISIBILITY, *WAVE PERIOD, *WAVE DIRECTION.

17. ABSTRACT: "SURFACE OBSERVING CLIMATIC SUMMARY (SOCS) - CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AT MILITARY, CIVILIAN, AND FOREIGN OBSERVING STATIONS. A FULLY INDEXED 10-YEAR PERIOD IS COVERED (1979). 'SUMMARY OF 1979' (79) IS ONE OF ALL AVAILABLE DATA IN THE GL-4 CLIMATIC DATABASE."

10. DISTRIBUTION/AVAILABILITY OF ABSTRACT: ABSTRACTS ARE NOT
AVAILABLE.

11. ABSTRACT SECURITY CLASSIFICATION: UNCLASSIFIED

NAME OF RESPONSIBLE INDIVIDUAL: WILLIAM C. BISHOP

U. S. TELEPHONE: 704 269-0402 FAX: 704 269-8355 222.

100 - 100 1473

ABSTRACT

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC DATA
PLACED INTO THE USABETAC PRODUCTS OF COMBINATION: (1)
UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS (UNIFORM
OBSERVATION CLIMATIC SUMMARY). (2) SURFACE WEATHER OBSERVATIONS
TIME IS USED UNTIL THEY ARE EVENTUALLY RECORDED IN THE

THIS PRODUCT HAS BEEN ISSUED IN SEVERAL FORMS SINCE IT WAS
FIRST INTRODUCED IN THE EARLY 1940'S AS THE "UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS" OR "UNIFORM SUMMARY OF SURFACE WEATHER
OBSERVATIONS". THE PRODUCT GRADUALLY EVOLVED INTO THE "UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS" WHICH IS THE PRODUCT OF THE
JULY 1988.

THE DATA (LIKE ITS PREDECESSORS) IS DERIVED FROM THE
AT ASHEVILLE, NC 28801-2703. HERE, CLIMATE DATA IS
COLLECTED BY THE SUMMARY WEATHER OBSERVATION DATA
FROM CIVILIAN, AND FOREIGN WEATHER STATIONS. THE DATA
IS COLLECTED, QUALITY-CONTROLLED, AND THEN
PLACED INTO THE SURFACE WEATHER OBSERVATION DATABASE.

THE DATA PREVIOUS VERSIONS OF THIS PRODUCT ONLY
CONTAINED (1-4). THE ADDITIONS ARE IN THE
PRODUCT IS A NEW DISCLOSURE OF THE DATA
THE DATA, AND AN EXPLANATION OF THE DATA IS

PREFACE

1968, THE SURFACE OBSERVATION CLIMATIC SUMMARY (SOCS) OF USAFETAG PRODUCTS OF LONG STANDING: THE RUSSWD (REVISED SURFACE WEATHER OBSERVATIONS) AND LISWS (LIMITED SURFACE WEATHER SUMMARY). RUSSWD AND LISWS ARE IN EXISTENCE WILL CONTINUE UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

IT WAS ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS FIRST ISSUED IN THE EARLY 1940'S AS THE "SECOSM," OR "SURFACE SUMMARY." THE NAME "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DERIVED FROM THE GRADUALLY EVOLVED INTO THE "RUSSWD" AND THE "LISWS." IT WAS THEN "SURFACE OBSERVATION CLIMATIC SUMMARY" OR "SOCS" IN

THE PRESENTING IS PREPARED BY USAFETAG'S OPERATING LOCATION, 2-201-2/23. HERE, CLIMATE ASSISTANTS USE STATE-OF-THE-ART COMPUTERS TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY AND FOREIGN REPORTING STATIONS. SUMMARIES ARE DERIVED FROM DATA CHECKED, QUALITY-CONTROLLED, AND SELECTED FROM A WORLDWIDE SURFACE WEATHER DATABASE.

VERSIONS OF THIS PRODUCT ONLY PRESENT SIX PARTS, TWO PRESENTS ADDITIONS ARE THE COMBINED ALL-WEATHER-CLIMATE REPORT, DAY SUMMARIES. IT IS A THREE DISCUSSION OF EACH PARTICULAR PART, A DESCRIPTION, AND EXPLANATION OF HOW THE DATA IS PRESENTED.

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MINIMUM.....	-1-1
MEAN.....	-1-1

100-DAY SUMMARY

DATE OF 100-DAY SUMMARY:

PERIOD OF SUMMARY: JAN. 74 - JAN. 75 (100 DAYS).

SUMMARY OF DAY DATA: JAN. 74 - JAN. 75 (100 DAYS).

PERIODS SUMMARIZED: 100-DAY PERIODS.

NOTE: THE 100-DAY SUMMARY IS A SUMMARY OF THE "100-DAY SUMMARY OF DAY DATA" DATA FILE. THE 100-DAY SUMMARY IS A SUMMARY OF THE "100-DAY SUMMARY OF DAY DATA" DATA FILE.

100-DAY SUMMARY:

PERIOD OF SUMMARY: 100-DAY PERIODS. THE 100-DAY SUMMARY IS A SUMMARY OF THE "100-DAY SUMMARY OF DAY DATA" DATA FILE. THE 100-DAY SUMMARY IS A SUMMARY OF THE "100-DAY SUMMARY OF DAY DATA" DATA FILE.

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INTRODUCTION

1. SCOPE:

2. OBSERVATIONS: JAN 72 - JAN 74 (ALL DAYS).

3. DATA: JAN 73 - JAN 74 (ALL TIME).

4. SUMMARY: 100 DAY PERIODS.

5. THE SUMMARY IS A SUMMARY OF THE "100 DAY PERIODS" AND NOT THE "DATA". THE SUMMARY IS A SUMMARY OF THE "100 DAY PERIODS" AND NOT THE "DATA". THE SUMMARY IS A SUMMARY OF THE "100 DAY PERIODS" AND NOT THE "DATA".

6. :

7. DEFINITION: A BIVARIATE DISTRIBUTION IS A DISTRIBUTION OF TWO RELATED VARIABLES. A BIVARIATE DISTRIBUTION IS A DISTRIBUTION OF TWO RELATED VARIABLES. A BIVARIATE DISTRIBUTION IS A DISTRIBUTION OF TWO RELATED VARIABLES. A BIVARIATE DISTRIBUTION IS A DISTRIBUTION OF TWO RELATED VARIABLES.

8. OBSERVATIONS: ALL THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA.

9. DATA (100) DATA: DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA.

10. ALL THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA.

11. COUNT: ANY PRECIPITATION IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA.

12. COUNT VALUE WHEN THE VALUE IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA. THE DATA IS BIVARIATE DATA.

13. FREQUENCY (FREQ): IN STATISTICS, FREQUENCY IS THE NUMBER OF A GIVEN EVENT OR EVENT TYPES. IN THE CASES, THIS IS EXPRESSED AS THE OCCURRENCE FREQUENCY (FREQ), WHICH IS THE FREQUENCY (NUMBER OF TIMES) IS GIVEN AS A PERCENT OF ALL OBSERVED OCCURRENCES IN THE (FREQ) SUMMARY. FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS IN A 100-DAY PERIOD, THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OF 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OCC.".

14. SIZE: THE SIZE OF THE BIVARIATE DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES A MEASURE OF THE EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF THE DISTRIBUTION OF A QUANTITY CONCERNED ABOUT ITS AVERAGE VALUE. THE GREATER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SUMMARY ARE REPRESENTED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR VARIATIONS IN SUMMARIES THAT SHOWS LOCAL VARIATIONS. THE FOLLOWING STANDARD TIME CONVENTIONS ARE USED:

0000-0200	1300-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

STANDARD TIME CONVENTIONS:

1	AMOUNT	11
2	ANNUAL	12
3	QUARTER	13
4	MONTHLY	14
5	WEEKLY	15
6	DAILY	16
7	HOURLY	17
8	MINUTE	18
9	SECOND	19
10	THIRD	20
11	FOURTH	21
12	FIFTH	22
13	SIXTH	23
14	SEVENTH	24
15	EIGHTH	25
16	NINTH	26
17	TENTH	27
18	ELEVENTH	28
19	TWELFTH	29
20	THIRTEENTH	30
21	FOURTEENTH	31
22	FIFTEENTH	32
23	SIXTEENTH	33
24	SEVENTEENTH	34
25	EIGHTEENTH	35
26	NINETEENTH	36
27	TWENTIETH	37
28	TWENTY-FIRST	38
29	TWENTY-SECOND	39
30	TWENTY-THIRD	40
31	TWENTY-FOURTH	41
32	TWENTY-FIFTH	42
33	TWENTY-SIXTH	43
34	TWENTY-SEVENTH	44
35	TWENTY-EIGHTH	45
36	TWENTY-NINTH	46
37	THIRTIETH	47
38	THIRTY-FIRST	48
39	THIRTY-SECOND	49
40	THIRTY-THIRD	50
41	THIRTY-FOURTH	51
42	THIRTY-FIFTH	52
43	THIRTY-SIXTH	53
44	THIRTY-SEVENTH	54
45	THIRTY-EIGHTH	55
46	THIRTY-NINTH	56
47	FOURTIETH	57
48	FOURTY-FIRST	58
49	FOURTY-SECOND	59
50	FOURTY-THIRD	60
51	FOURTY-FOURTH	61
52	FOURTY-FIFTH	62
53	FOURTY-SIXTH	63
54	FOURTY-SEVENTH	64
55	FOURTY-EIGHTH	65
56	FOURTY-NINTH	66
57	FIFTIETH	67
58	FIFTY-FIRST	68
59	FIFTY-SECOND	69
60	FIFTY-THIRD	70
61	FIFTY-FOURTH	71
62	FIFTY-FIFTH	72
63	FIFTY-SIXTH	73
64	FIFTY-SEVENTH	74
65	FIFTY-EIGHTH	75
66	FIFTY-NINTH	76
67	SIXTIETH	77
68	SIXTY-FIRST	78
69	SIXTY-SECOND	79
70	SIXTY-THIRD	80
71	SIXTY-FOURTH	81
72	SIXTY-FIFTH	82
73	SIXTY-SIXTH	83
74	SIXTY-SEVENTH	84
75	SIXTY-EIGHTH	85
76	SIXTY-NINTH	86
77	SEVENTIETH	87
78	SEVENTY-FIRST	88
79	SEVENTY-SECOND	89
80	SEVENTY-THIRD	90
81	SEVENTY-FOURTH	91
82	SEVENTY-FIFTH	92
83	SEVENTY-SIXTH	93
84	SEVENTY-SEVENTH	94
85	SEVENTY-EIGHTH	95
86	SEVENTY-NINTH	96
87	EIGHTIETH	97
88	EIGHTY-FIRST	98
89	EIGHTY-SECOND	99
90	EIGHTY-THIRD	100
91	EIGHTY-FOURTH	101
92	EIGHTY-FIFTH	102
93	EIGHTY-SIXTH	103
94	EIGHTY-SEVENTH	104
95	EIGHTY-EIGHTH	105
96	EIGHTY-NINTH	106
97	NINETY	107
98	NINETY-FIRST	108
99	NINETY-SECOND	109
100	NINETY-THIRD	110
101	NINETY-FOURTH	111
102	NINETY-FIFTH	112
103	NINETY-SIXTH	113
104	NINETY-SEVENTH	114
105	NINETY-EIGHTH	115
106	NINETY-NINTH	116
107	HUNDRED	117
108	HUNDRED AND ONE	118
109	HUNDRED AND TWO	119
110	HUNDRED AND THREE	120
111	HUNDRED AND FOUR	121
112	HUNDRED AND FIVE	122
113	HUNDRED AND SIX	123
114	HUNDRED AND SEVEN	124
115	HUNDRED AND EIGHT	125
116	HUNDRED AND NINE	126
117	HUNDRED AND TEN	127
118	HUNDRED AND ELEVEN	128
119	HUNDRED AND TWELVE	129
120	HUNDRED AND THIRTEEN	130
121	HUNDRED AND FOURTEEN	131
122	HUNDRED AND FIFTEEN	132
123	HUNDRED AND SIXTEEN	133
124	HUNDRED AND SEVENTEEN	134
125	HUNDRED AND EIGHTEEN	135
126	HUNDRED AND NINETEEN	136
127	HUNDRED AND TWENTY	137
128	HUNDRED AND TWENTY-ONE	138
129	HUNDRED AND TWENTY-TWO	139
130	HUNDRED AND TWENTY-THREE	140
131	HUNDRED AND TWENTY-FOUR	141
132	HUNDRED AND TWENTY-FIVE	142
133	HUNDRED AND TWENTY-SIX	143
134	HUNDRED AND TWENTY-SEVEN	144
135	HUNDRED AND TWENTY-EIGHT	145
136	HUNDRED AND TWENTY-NINE	146
137	HUNDRED AND THIRTY	147
138	HUNDRED AND THIRTY-ONE	148
139	HUNDRED AND THIRTY-TWO	149
140	HUNDRED AND THIRTY-THREE	150
141	HUNDRED AND THIRTY-FOUR	151
142	HUNDRED AND THIRTY-FIVE	152
143	HUNDRED AND THIRTY-SIX	153
144	HUNDRED AND THIRTY-SEVEN	154
145	HUNDRED AND THIRTY-EIGHT	155
146	HUNDRED AND THIRTY-NINE	156
147	HUNDRED AND FORTY	157
148	HUNDRED AND FORTY-ONE	158
149	HUNDRED AND FORTY-TWO	159
150	HUNDRED AND FORTY-THREE	160
151	HUNDRED AND FORTY-FOUR	161
152	HUNDRED AND FORTY-FIVE	162
153	HUNDRED AND FORTY-SIX	163
154	HUNDRED AND FORTY-SEVEN	164
155	HUNDRED AND FORTY-EIGHT	165
156	HUNDRED AND FORTY-NINE	166
157	HUNDRED AND FIFTY	167
158	HUNDRED AND FIFTY-ONE	168
159	HUNDRED AND FIFTY-TWO	169
160	HUNDRED AND FIFTY-THREE	170
161	HUNDRED AND FIFTY-FOUR	171
162	HUNDRED AND FIFTY-FIVE	172
163	HUNDRED AND FIFTY-SIX	173
164	HUNDRED AND FIFTY-SEVEN	174
165	HUNDRED AND FIFTY-EIGHT	175
166	HUNDRED AND FIFTY-NINE	176
167	HUNDRED AND SIXTY	177
168	HUNDRED AND SIXTY-ONE	178
169	HUNDRED AND SIXTY-TWO	179
170	HUNDRED AND SIXTY-THREE	180
171	HUNDRED AND SIXTY-FOUR	181
172	HUNDRED AND SIXTY-FIVE	182
173	HUNDRED AND SIXTY-SIX	183
174	HUNDRED AND SIXTY-SEVEN	184
175	HUNDRED AND SIXTY-EIGHT	185
176	HUNDRED AND SIXTY-NINE	186
177	HUNDRED AND SEVENTY	187
178	HUNDRED AND SEVENTY-ONE	188
179	HUNDRED AND SEVENTY-TWO	189
180	HUNDRED AND SEVENTY-THREE	190
181	HUNDRED AND SEVENTY-FOUR	191
182	HUNDRED AND SEVENTY-FIVE	192
183	HUNDRED AND SEVENTY-SIX	193
184	HUNDRED AND SEVENTY-SEVEN	194
185	HUNDRED AND SEVENTY-EIGHT	195
186	HUNDRED AND SEVENTY-NINE	196
187	HUNDRED AND EIGHTY	197
188	HUNDRED AND EIGHTY-ONE	198
189	HUNDRED AND EIGHTY-TWO	199
190	HUNDRED AND EIGHTY-THREE	200
191	HUNDRED AND EIGHTY-FOUR	201
192	HUNDRED AND EIGHTY-FIVE	202
193	HUNDRED AND EIGHTY-SIX	203
194	HUNDRED AND EIGHTY-SEVEN	204
195	HUNDRED AND EIGHTY-EIGHT	205
196	HUNDRED AND EIGHTY-NINE	206
197	HUNDRED AND NINETY	207
198	HUNDRED AND NINETY-ONE	208
199	HUNDRED AND NINETY-TWO	209
200	HUNDRED AND NINETY-THREE	210
201	HUNDRED AND NINETY-FOUR	211
202	HUNDRED AND NINETY-FIVE	212
203	HUNDRED AND NINETY-SIX	213
204	HUNDRED AND NINETY-SEVEN	214
205	HUNDRED AND NINETY-EIGHT	215
206	HUNDRED AND NINETY-NINE	216
207	HUNDRED	217
208	HUNDRED AND ONE	218
209	HUNDRED AND TWO	219
210	HUNDRED AND THREE	220
211	HUNDRED AND FOUR	221
212	HUNDRED AND FIVE	222
213	HUNDRED AND SIX	223
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234	HUNDRED AND TWENTY-SEVEN	244
235	HUNDRED AND TWENTY-EIGHT	245
236	HUNDRED AND TWENTY-NINE	246
237	HUNDRED AND THIRTY	247
238	HUNDRED AND THIRTY-ONE	248
239	HUNDRED AND THIRTY-TWO	249
240	HUNDRED AND THIRTY-THREE	250
241	HUNDRED AND THIRTY-FOUR	251
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243	HUNDRED AND THIRTY-SIX	253
244	HUNDRED AND THIRTY-SEVEN	254
245	HUNDRED AND THIRTY-EIGHT	255
246	HUNDRED AND THIRTY-NINE	256
247	HUNDRED AND FORTY	257
248	HUNDRED AND FORTY-ONE	258
249	HUNDRED AND FORTY-TWO	259
250	HUNDRED AND FORTY-THREE	260
251	HUNDRED AND FORTY-FOUR	261
252	HUNDRED AND FORTY-FIVE	262
253	HUNDRED AND FORTY-SIX	263
254	HUNDRED AND FORTY-SEVEN	264
255	HUNDRED AND FORTY-EIGHT	265
256	HUNDRED AND FORTY-NINE	266
257	HUNDRED AND FIFTY	267
258	HUNDRED AND FIFTY-ONE	268
259	HUNDRED AND FIFTY-TWO	269
260	HUNDRED AND FIFTY-THREE	270
261	HUNDRED AND FIFTY-FOUR	271
262	HUNDRED AND FIFTY-FIVE	272
263	HUNDRED AND FIFTY-SIX	273
264	HUNDRED AND FIFTY-SEVEN	274
265	HUNDRED AND FIFTY-EIGHT	275
266	HUNDRED AND FIFTY-NINE	276
267	HUNDRED AND SIXTY	277
268	HUNDRED AND SIXTY-ONE	278
269	HUNDRED AND SIXTY-TWO	279
270	HUNDRED AND SIXTY-THREE	280
271	HUNDRED AND SIXTY-FOUR	281
272	HUNDRED AND SIXTY-FIVE	282
273	HUNDRED AND SIXTY-SIX	283
274	HUNDRED AND SIXTY-SEVEN	284
275	HUNDRED AND SIXTY-EIGHT	285
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282	HUNDRED AND SEVENTY-FIVE	292
283	HUNDRED AND SEVENTY-SIX	293
284	HUNDRED AND SEVENTY-SEVEN	294
285	HUNDRED AND SEVENTY-EIGHT	295
286	HUNDRED AND SEVENTY-NINE	296
287	HUNDRED AND EIGHTY	297
288	HUNDRED AND EIGHTY-ONE	298
289	HUNDRED AND EIGHTY-TWO	299
290	HUNDRED AND EIGHTY-THREE	300
291	HUNDRED AND EIGHTY-FOUR	301
292	HUNDRED AND EIGHTY-FIVE	302
293	HUNDRED AND EIGHTY-SIX	303
294	HUNDRED AND EIGHTY-SEVEN	304
295	HUNDRED AND EIGHTY-EIGHT	305
296	HUNDRED AND EIGHTY-NINE	306
297	HUNDRED AND NINETY	307
298	HUNDRED AND NINETY-ONE	308
299	HUNDRED AND NINETY-TWO	309
300	HUNDRED AND NINETY-THREE	310
301	HUNDRED AND NINETY-FOUR	311
302	HUNDRED AND NINETY-FIVE	312
303	HUNDRED AND NINETY-SIX	313
304	HUNDRED AND NINETY-SEVEN	314
305	HUNDRED AND NINETY-EIGHT	315
306	HUNDRED AND NINETY-NINE	316
307	HUNDRED	317
308	HUNDRED AND ONE	318
309	HUNDRED AND TWO	319
310	HUNDRED AND THREE	320
311	HUNDRED AND FOUR	321
312	HUNDRED AND FIVE	322
313	HUNDRED AND SIX	323
314	HUNDRED AND SEVEN	324
315	HUNDRED AND EIGHT	325
316	HUNDRED AND NINE	326
317	HUNDRED AND TEN	327
318	HUNDRED AND ELEVEN	328
319	HUNDRED AND TWELVE	329
320	HUNDRED AND THIRTEEN	330
321	HUNDRED AND FOURTEEN	331
322	HUNDRED AND FIFTEEN	332
323	HUNDRED AND SIXTEEN	333
32		

STATION NO.	STATION NAME	LATITUDE	LONGITUDE	CL
723640	THINKER AFB/KLANKMA CITY, OK	36° 24'	97° 24'	12

STATION LOCATION AND INSTALLATION HISTORY

ORDER NO.	ALPHABETICAL LOCATION NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE
			FROM	TO	
1	THINKER AFB, OK	AAF	DEC 42	MAY 44	36° 24'
2	THINKER AFB, OK	AFB	JUN 44	AUG 44	SAME
3	SAME	SAME	SEP 44	FEB 45	SAME
4	SAME	SAME	MAR 45	MAY 45	36° 24'
5	SAME	SAME	JUN 45	FEB 46	SAME
6	SAME	SAME	MAR 46	JAN 47	SAME
7	SAME	SAME	APR 47	FEB 48	SAME
8	SAME	SAME	MAR 48	FEB 49	SAME
9	SAME	SAME	MAR 49	DEC 49	SAME
10	SAME	SAME	DEC 49	FEB 50	SAME

ORDER NO.	DATE OF CHANGE	LOCATION	SURFACE WIND EQUIPMENT INFORMATION		CL
			TYPE OF TRANSMITTER	TYPE OF ANTENNA	
1	DEC 42	NOT AVAILABLE	SELSYN	ML-144	12
2	DEC 42	AT 12 HANGAR RIVER WEA STA	SAME	SAME	12
3	MAR 45	2000' N OF E-S Rwy, 1 MI S STA	AN/GMD-11	ML-144	12
4	MAR 45	1100' N OF E-S Rwy, 3/4 MI OF STA	SAME	SAME	12
5	MAR 45	1.1060'S, 750'E OF CTREN	AN/GMD-11	SAME	12
6	JAN 47	2.750' N, 1127' W OF CTREN	SAME	SAME	12
7	JAN 47	1.1200'S OF END Rwy 17	AN/GMD-20	ML-352	12
8	JUN 44	2.750' N OF END Rwy 35	SAME	SAME	12
9	JUN 44	1.1200'S OF END Rwy 17	SAME	SAME	12
10	JAN 48	2.1200' N OF END Rwy 35	SAME	SAME	12
11	JAN 48	SAME	SAME	SAME	12

	LATITUDE	LONGITUDE	FLO ELEV (FT)	CALL SIGN	AMD NMBR
CITY, JK	N 35 25	W 097 23	1291	TIK	72354

STATION LOCATION AND INSTRUMENTATION HISTORY

TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEV ABOVE MSL		OBS PER DAY
	FROM	TO			FLO (FT)	BARO (FT)	
AAF	DEC 42	MAY 43	N 35 25	W 097 23	1257	1250	24
AFS	JUN 43	AUG 47	SAME	SAME	SAME	SAME	24
SAME	SEP 49	FEB 50	SAME	SAME	SAME	1256	24
SAME	MAR 50	MAY 53	N 35 25	SAME	SAME	1234	24
SAME	JUN 50	FEB 50	SAME	SAME	1262	1250	24
SAME	MAR 55	JAN 55	SAME	SAME	SAME	1252	24
SAME	FEB 55	FEB 59	SAME	SAME	1291	SAME	24
SAME	MAR 58	FEB 61	SAME	SAME	SAME	1250	24
SAME	MAR 61	OCT 63	SAME	SAME	SAME	1353	24
SAME	OCT 63	FEB 64	SAME	SAME	SAME	1250	24

EQUIPMENT INFORMATION

	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
STN	SELSYN	ML-144	N/A	
1000 STN	SAME	SAME	95 FT	
1000 STN	AN/GMO-11	PQ-2	13 FT	
1000 STN	SAME	SAME	SAME	
1000 STN	AN/GMO-11	SAME	SAME	
1000 STN	SAME	SAME	SAME	
17	AN/GMO-20	PQ-352	SAME	
17	SAME	SAME	SAME	
17	SAME	SAME	15 FT	
17	SAME	SAME	25 FT	
17	SAME	SAME	SAME	

0000000000	11111111	00000000	11111111
0100000000	11111111	01000000	11111111
0200000000	11	02000000	11
0300000000	11	03000000	11
0400000000	11	04000000	11
0500000000	111111111111	05000000	11
0600000000	111111111111	06000000	11
0700000000	11	07000000	11
0800000000	11	08000000	11
0900000000	11	09000000	11

AAAA	RRRRRR	TTTTTTTT	AAAAAA
AAAAA	RRRRRRR	TTTTTTTTT	AAAAAAA
AA	RR	TT	AA
AA	RR	TT	AA
AA	RRRRRRR	TT	AA
AAAAAA	RRRRRRRR	TT	AAAAAAA
AAAAAA	RR	TT	AAAAAAA
AA	RR	TT	AA
AA	RR	TT	AA
AA	RR	TT	AA

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN TABLES.

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND.

FALLING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE.

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, ICE PELLETS. IN JANUARY 1966, SNOW PELLETS WERE REPORTED AT ANKARA.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS OF PRECIPITATION. MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE TOTAL OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY BE IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND RAIN FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATION OF THE TWO.

BLowing SNOW: ALL REPORTS OF BLowing SNOW, INCLUDING BUT NOT LIMITED TO:

DRIFT, BLowing SAND: DUST, SAND, BLowing DUST, OR SAND DUST.

BLowing SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY OF SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THIS CATEGORY MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE EFFICIENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE EFFICIENCY (POE) OF SPECIFIED PHENOMENA. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, EXCEPT FOR:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH.
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

1. SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

2. ALL REPORTED OCCURRENCES OF THUNDERSTORMS, THUNDER, AND WATERSPOUTS.

3. RAIN: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

4. FROST: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

5. SNOW: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE
JAN 1966, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

6. HAIL: HAIL.

7. WIND: INCLUDES ALL OBSERVATIONS REPORTING OF WIND. BECAUSE
OF THE POSSIBILITY OF WIND BEING INCLUDED IN THE SAME OBSERVATION,
THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES
IN THE TOTAL.

8. FOG: REPORTED FOG, ICE FOG, AND WIND FOG.

9. SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

10. REPORTS OF BLowing SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

11. DUST, SAND, BLowing DUST, BLowing SAND, OR COMBINATIONS OF THESE.

12. THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLowing
REPORTED.

13. OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS
TO VISION. IF MORE THAN ONE OBSTRUCTION IS REPORTED IN THE SAME
OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL
CATEGORIES SHALL NOT EXCEED THE PERCENTAGE IN THIS CATEGORY.

14. PERCENT OCCURRENCE FREQUENCY.

15. THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA
WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS

16. FOR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

17. FOR ALL YEARS AND ALL HOURS COMBINED).

18. FOR ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS REQUIRED FOR
DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL Y.

TURBULENCE--PERCENT OCCURRENCE FREQUENCY.
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF ALL
THE WEATHER OBSERVATION. DATA IS SUMMARIZED SAME AS FROM

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE
THESE TABLES INCLUDE SUMMARY OF MONTHLY AND ALL WEATHER
DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER

NOTE: REPORTING PRACTICES HAVE CHANGED WITH TIME. IN THE
PAST (ON AND FROM 10/104) AND TRANSMIT ONLY THE
WEATHER PHENOMENA THAT AFFECTS VISIBILITY. AFTER 1953
JANUARY 1953, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT
STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT
CONTINUED TO TRANSMIT ONLY THE HIGHEST POF. FOR EXAMPLE
WEATHER INCLUDE RAIN, FOG AND HAZE, ONLY IN RAIN AND
THAT PRACTICES, THE USAF/TAC DATABASES ONLY GIVE ONLY
IN REPORT, THE INSTRUCTION TO VISIBILITY (AND TO REPORT
SUMMARY OF METAR AND SYNOPTIC STATIONS AND ONLY IN

NOTE: FOR METAR REPORTING, STATIONS SHOULD ONLY
REPORT VISIBILITIES EXCEED 1000 METERS.

NOTE: A VALUE OF " " IN ANY SUMMARY FROM STATIONS
INDICATES A VALUE OF LESS THAN .0001.

1. METAR--PERCENT OCCURRENCE FREQUENCY (POF).
THIS IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY
DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

2. TS--PERCENT OCCURRENCE FREQUENCY.
THIS GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON
AN OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

3. METAR VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THIS INCLUDES SUMMARY OF MONTH FOR ALL YEARS AND YEARS COMBINED. WIND
CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

4. THIS PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS
(AND FORMS 10/10A) AND TRANSMIT ONLY THE HIGHEST ORDER ATMOS-
PHERIC PHENOMENON THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN
1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR
STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT
IT TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDERS OBS-
ERVED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF
THIS, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION.
THE OBSTRUCTION TO VISION (AND TO A LESS EXTENT, PRECIPITATION)
FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

5. FOR METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO
VISIBILITY EXCEPT 100% METERS.

6. THE "0.0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN
ANY CASE, IS LESS THAN .05 PERCENT.

OPERATING LOCATION: WAW
USARHAT, APO WHEELING

PERCENTAGE FREQUENCY OF BODIES WITH VARI
FROM FREQUENCY OF VARIATION

STATION NUMBER: 730-60

STATION NAME: TINKER AIRFB
EST TO UTC: + 6

DATE
TIME

BOIES (EST)	ISMS	LIGHT SPECIE	SPACE SPECIE	FROZEN SPECIE	MAIL	ALL SPECIE	ALL SPECIE	ALL SPECIE	ALL SPECIE
00-02	.4	6.6	.3	4.1		6.6	12.6		.
03-06	.2	4.6	1.6	4.3		11.3	14.6		1.
06-09	.2	4.6	1.6	3.6		9.6	1.6	.6	1.
09-11		.6	1.3	4.3		10.1	1.6	1.6	.
12-16	.6	1.2	.6	4.2		6.2	12.2	1.6	.
16-17		3.2	.6	3.3		7.1	11.2	1.6	.
18-20	.2	1.2	.6	4.2		6.1	11.2	.6	.
21-23	.1	.6	1.6	3.		7.7	11.6		.
ALL BOIES	.2	3.2	1.	4.1		8.	13.2	.2	.
00-02	.6	7.3	.6	3.2		12.7	21.6		.
03-06	.6	6.2	1.2	3.1		18.6	16.1		.
06-09	.1	3.2	.6	4.2		14.6	2.2	.2	.
09-11	.2	10.1	.9	6.6		13.2	27.3	2.1	.
12-16	.6	9.1	.6	6.3		14.6	17.2	1.6	.
16-17	.1	6.1	.6	3.3		15.2	14.2	.6	.
18-20	.2	6.2	.6	4.6		13.6	15.1	.6	.
21-23	.7	7.1	.7	5.6		13.6	1.2	.6	.
ALL BOIES	.3	6.6	.7	4.9		14.3	20.7	.	.

STAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HURLEY OBSERVATIONS

STATION: AF51K
#

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN

WIND DIRECTION	ALL WINDS	WINDS 6/58 AND 6/59	BLUING WINDS	WIND 6/58 AND 6/59	ALL WINDS 6/58 AND 6/59	TOTAL NO. OF HRS
0.0	12.8		.0		22.7	930
11.0	14.0		1.0		27.4	930
0.4	1.0	.0	1.1		2.5	930
10.1	1.0	1.0	.0		30.9	930
0.2	12.0	1.0	.0		22.3	930
2.1	10.0	1.0	.0	.0	19.7	930
0.1	11.0	.0	.0	.0	21.1	930
7.7	11.0		.0		21.0	930
0.0	13.0	.0	.0	.1	26.2	7440
12.7	20.6		.1	.0	33.7	640
15.0	20.1			.1	39.2	640
14.0	20.0	.0	.1		44.1	640
15.7	27.3	2.1	.0	.1	45.5	640
14.5	19.9	1.0	.0		36.4	640
15.0	14.7	.0	.0		31.1	640
13.4	15.1	.0	.0	.4	29.7	640
13.4	15.0	.0	.1	.4	29.2	640
14.3	20.7	.0	.0	.2	35.1	6720

PERCENTAGE FREQUENCY OF ADIPLS WITH MAXIMUM
PERCENTAGE OF ADIPLS

STATION NAME: TIKTAP SEA
EST TO VIC: + 5

100

DATE	TRIP	PRINCIPAL	PRINCIPAL	PRINCIPAL	PRINCIPAL	PRINCIPAL	PRINCIPAL	PRINCIPAL
(USD)								
10-10	1.0	.0	.4	4.0	10.0	.3	.0	
10-11	1.0	10.0	1.0	11.0	1.0	.0	.0	
10-12	1.0	.0	1.7	10.0	10.0	1.1	.0	
10-13	.0	.0	1.0	10.0	1.0	1.0	.0	
10-14	.0	.0	.0	.0	.0	1.0	.0	
10-15	.0	10.0	1.0	10.0	1.0	.0	.0	
10-16	1.0	.0	1.0	10.0	1.0	.0	.0	
10-17	1.0	.0	.0	.0	.0	.0	.0	
10-18	1.0	1.0	1.0	10.0	10.0	.0	.0	

10-10	1.5	7.2	7.7	3.5	.1
11-10	1.5	6.9	6.9	10.5	
12-10	1.5	7.7	7.9	10.5	.4
10-11	1.2	7.3	7.6	3.2	.
12-14	1.7	6.5	6.3	3.7	1.0
16-17	1.3	6.1	6.1	2.8	.
13-20	1.2	.	5.5	3.3	1.1
21-22	1.6	6.1	6.1	6.2	.7
ALL GROUPS	1.2	6.4	6.4	6.8	.2

FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM 1961 TO 1969

AREA: 4 MONTHS OF RECORDS: MAR 70 - FEB 69
 MONTH: 447

ALL HOURS	ALL HOURS	ALL HOURS	ALL HOURS	ALL HOURS	ALL HOURS	TOTAL NO. OF HOURS
10.8	10.8	.3	.1		10.8	930
11.7	11.7	.2	.1		11.7	930
11.7	11.7	1.1	.1		11.7	930
11.7	11.7	1.1	.3		11.7	930
11.7	11.7	1.2	.3		11.7	930
11.7	11.7	.1	.1	.1	11.7	930
11.7	11.7	.			11.7	930
11.7	11.7	.		.1	11.7	930
11.7	11.7	.	.2	.3	11.7	7440

ALL HOURS	ALL HOURS	ALL HOURS	ALL HOURS	ALL HOURS	ALL HOURS	TOTAL NO. OF HOURS
11.7	11.7	.1		.7	11.7	900
11.7	11.7			.1	11.7	900
11.7	11.7	.4			11.7	900
11.7	11.7	.		.1	11.7	900
11.7	11.7	1.6		.5	11.7	900
11.7	11.7	.5		.7	11.7	900
11.7	11.7	1.1		.3	11.7	900
11.7	11.7	.7		.9	11.7	900
11.7	11.7	.6		.5	11.7	7200

OPERATING LOCATION: "A"
USAF TAC, AUSTWILL, SC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS AT
FROM JULY 1951 TO JULY 1952

STATION NO: 22543

STATION NAME: TOWER AT
LST TO UTC: + 5

TIME
ZONE

HOURS (LST)	TOTAL	WIND BLIND	PRECIP BLIND	FOGZEN BLIND	HAIR	ALL PRECIP	FOG	WIND BLIND	WIND BLIND
00-02	4.0	1.0				10.0	11.0		
03-05	3.3	1.0				2.4	10.0	1.0	
06-08	2.0	2.0				7.7	1.0	1.0	
09-11	3.0	1.0				7.0	7.0	1.0	
12-14	1.0	1.0				5.4	4.0	1.0	
15-17	1.1	1.1				5.1	1.0	1.0	
18-20	4.0	1.0			1.0	2.0	2.0	1.0	
21-23	1.0	1.0				7.0	1.0	1.0	
ALL HOURS	3.0	7.0			1.0	7.0	1.0	1.0	

00-02	3.0	1.0				6.1	6.0	1.0	
03-05	4.0	2.0				7.4	10.0	1.0	
06-08	1.0	1.0				5.0	10.0	1.0	
09-11	1.0	1.0				3.0	3.0	1.0	
12-14	1.0	4.0				4.0	2.0	1.0	
15-17	3.1	1.1				5.1	1.0	1.0	
18-20	4.1	7.0				7.0	1.0	1.0	
21-23	3.0	7.4				7.4	2.0	1.0	
ALL HOURS	2.0	1.1				6.1	4.0	1.0	

AVERAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

STATION: ALBANY PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY

ALL	ALL PRECIP	FOG	SMOKE 2/100 HAZ	GLACING SNOW	DUST 2/100 SAND	ALL DUST 10/100	TOTAL NO. OF HRS
	10.2	11.4	.8			22.2	930
	7.4	10.5	.9			25.3	930
	7.7	10.7	2.0			28.5	930
	7.6	7.1	1.7		.1	17.1	930
	5.4	4.5	.8			10.4	930
	5.1	3.7	.8		.1	8.4	930
.1	6.3	2.6	1.2			11.0	930
	7.5	5.3	1.3			14.1	930
.	7.3	5.1	1.2		.2	17.2	7440

MONTH: JUN

	6.1	4.6	.7			13.3	900
	7.4	10.3	.6			18.3	900
	6.0	10.5	.1			17.3	900
	3.3	3.0	1.7			8.0	900
	4.7	2.2	1.6			8.7	900
	2.1	1.6	.6			7.2	900
	7.0	1.7	.8			9.4	900
	7.4	2.0	.9		.1	10.3	900
	6.1	4.5	.9		.0	11.6	7200

OPERATING LOCATION: WAM
USAFETAC, ASHBVILL, MO

PERCENTAGE FREQUENCY OF COUPS WITH VARIOUS AT
FROM HURLEY OBSERVATIONS

STATION NUMBER: 703-60

STATION NAME: TINKLE ARB OK
LST TO UTC: + 6

PERIOD: 6
MONTH: J

COUPS (LST)	TSTM	LIDING PRECIP	HAZED PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE S/27 HALL	BLUING SMOKE
00-02	.0	1.1				1.1	2.2	4.0	
03-05	.0	1.7				2.7	3.5	3.3	
06-08	1.2	1.3				3.3	3.1	3.1	
09-11	.3	1.6				2.6	.9	4.0	
12-14	.0	1.7				1.7	.5	1.8	
15-17	1.3	1.1				2.6	.1	1.7	
18-20	1.1	1.4				2.4	.4	1.1	
21-23	1.4	1.1				2.6	1.1	3.4	
ALL COUPS	1.1	1.1				2.6	1.7	3.0	

00-02	1.1	4.1				4.4	1.7	2.1	
03-05	1.1	4.0				4.5	4.4	3.7	
06-08	1.1	1.1				3.1	10.1	.1	
09-11	.0	4.1				4.0	2.5	4.0	
12-14	.2	2.5				2.6	1.7	4.2	
15-17	1.0	4.2				4.2	1.1	4.0	
18-20	3.3	4.5				4.6	1.2	2.5	
21-23	2.5	1.3				3.3	.3	2.9	
ALL COUPS	1.7	1.2				3.9	3.0	3.9	

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

TIKLER AFB OK

PERIOD OF RECORD: MAR 72 - FEB 89
MONTH: JUL

WIND SPEED	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL DUST TH VSN	TOTAL NO. OF OBS
1.3	2.2	3.0				8.0	930
2.7	3.5	3.3				9.6	930
3.3	5.1	5.1				13.4	930
2.6	.9	4.2				7.4	930
1.9	.5	1.8				4.3	930
2.5	.2	1.7				4.4	930
2.4	.4	2.6				5.4	930
2.6	1.1	3.4				7.1	930
2.5	1.7	3.2				7.4	7440

MONTH: AUG

4.4	1.7	2.6				9.9	930
4.5	4.4	3.7				12.6	930
3.1	10.5	4.5				26.1	930
4.0	2.5	4.9				11.4	930
2.6	1.7	4.2				8.5	930
4.2	1.2	4.5				9.7	930
4.6	1.2	2.5				8.3	930
3.3	.3	2.9			.2	7.2	930
3.9	3.0	3.9			.0	10.9	7440

OPERATING LOCATION MAP
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723340

STATION NAME: TINKER ARB OK
LST TO UTC: + 5

PERIOD
MONTH:

HOURS (LST)	TST'S	LIQUID PRECIP	FREZZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FG	SNOW 1/10 4127	SLOWING 1/10
00-02	1.7	5.7				5.7	5.9	1.3	
03-05	1.7	7.1				7.2	2.8	1.3	
06-08	1.7	7.1				7.1	14.3	3.1	
09-11	.8	5.4				5.4	1.9	4.4	
12-14	.8	6.7				4.7	2.0	4.1	
15-17	1.3	5.2				5.3	1.7	2.1	
18-20	1.4	5.1				5.1	2.7	2.4	
21-23	1.1	5.1				5.0	3.0	1.1	
ALL HOURS	1.1	5.2				5.6	5.3	2.1	

00-02	1.7	5.7				5.7	13.1	.3	
03-05	1.7	10.2				10.2	15.1	.3	
06-08	1.7	12.2				12.3	23.3	.4	
09-11	1.3	10.0				10.0	13.5	1.2	
12-14	.2	7.1				7.1	6.2	.1	
15-17	.6	7.4				7.4	7.3	.4	
18-20	1.0	6.7				6.7	8.4	.2	
21-23	1.3	3.2				3.2	10.6	.2	
ALL HOURS	1.1	7.9				3.2	11.2	.3	

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

TINIAN AFB OK PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP

HAIL	ALL PRECIP	FOG	SMOKE W/DR HAZE	BLOWING SNOW	DUST W/DR SAND	ALL DST TO VSN	TOTAL NO. OF HRS
	5.7	5.9	1.3		.1	13.0	900
	7.2	9.9	1.3			18.4	900
	7.8	14.3	3.1			25.2	900
	5.4	5.9	4.4		.1	15.8	900
	4.7	2.0	4.1			10.8	900
	5.3	1.7	2.3		.1	9.4	900
	5.1	2.7	2.4		.1	10.3	900
	5.0	4.0	1.6		.1	10.7	900
	5.0	5.2	2.6		.1	12.9	7200

MONTH: OCT

	8.3	13.1	.3			21.7	930
	10.9	16.1	.3			27.3	930
	12.3	20.3	.4			33.0	930
	10.6	13.5	1.2		.2	25.5	930
	7.1	5.2	.6		.5	13.4	930
	7.4	7.3	.4		.4	15.5	930
	6.7	3.4	.3			10.4	930
	3.2	10.6	.2			14.0	930
	8.9	11.2	.5		.1	20.7	7440

OPERATING LOCATION: HAW
USAF-TAG, AT-ROVILLE, MO

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS
FROM 100% TO 100% (100%)

STATION NUMBER: 723842

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

UNIT: 1
MONTH:

HOURS (LST)	1ST 45	LIGHT PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FIS	SMOKE L/100 HAIL	BLUING PRECIP
00-02	.4	7.3		1.3		9.7	19.0	.7	
03-05	.4	.2		1.0		9.2	19.0	.2	
06-08	.3	14.7	.2	.6		10.5	20.0	.6	
09-11	.2	14.7	.2	.5		11.7	19.4	1.4	
12-14	.7	9.7	.1	1.1		10.9	11.4	.5	
15-17	.7	.5	.1	.7		9.1	9.5	.2	
18-20	.7	7.5	.1	1.0		9.7	19.0	.2	
21-23	.7	9.2	.1	1.6		11.0	11.2	1.1	
ALL HOURS	.5	9.0	.1	1.6		10.3	19.0	.5	

00-02	.2	7.3	.5	3.2		11.1	18.5	.3	.2
03-05	.4	7.7	1.2	3.7		12.6	17.5	.3	.5
06-08	.3	7.4	1.0	4.1		13.0	19.7	.3	.6
09-11	.1	7.5	.3	4.2		12.6	20.3	1.1	.2
12-14	.1	5.5	1.2	2.7		9.5	14.7	.2	
15-17	.2	5.4	1.0	2.6		8.3	12.3	.2	.2
18-20	.3	5.5	1.1	3.1		9.7	15.2	.1	.4
21-23	.1	5.1	.3	3.2		10.1	14.4	.1	.3
ALL HOURS	.2	5.6	1.0	3.3		10.2	16.2	.4	.3

LAST FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM HOURLY OBSERVATIONS

LASTED AFD JK

PERIOD OF RECORD: MAR 70 - FEB 89
MONTH: NOV

WIND DAIL	ALL PRECIP	FOG	SMOKE S/15 HALL	BLOWING DUST	DUST S/15 SAND	ALL DUST TO VSM	TOTAL NO. OF DAYS
	3.7	15.0	.7			24.3	900
	9.2	13.0	.2			23.4	900
	10.1	22.3	.4			34.0	900
	11.7	19.4	1.4			32.6	900
	10.9	11.4	.4			22.3	900
	9.1	9.3	.2		.3	19.4	900
	8.7	10.0	.2			19.3	900
	11.0	11.3	1.0			23.9	900
	10.0	15.0	.6		.0	25.7	7200

MONTH: DEC

	11.1	15.5	.3	.2		27.1	930
	12.5	17.5	.3	.3		30.2	930
	13.0	12.7	.4	.6		32.6	930
	12.6	20.3	1.1	.2		34.2	930
	9.5	14.7	.2			24.4	930
	8.9	13.5	.5	.6		23.6	930
	9.7	15.2	.1	.4		25.4	930
	10.1	14.4	.1	.3		24.9	930
	10.9	16.2	.4	.3		27.9	7440

OPERATING LOCATION: WAW
USAFBAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC
CONDITIONS BASED ON 1951-1952

STATION NUMBER: 703740

STATION NAME: TINKER ARB AB
LST TO UTC: + 5

DATE:
1953

MONTH	TOTAL PRECIP	LIQUID PRECIP	FRESH PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	Fog	SMOG- 5/10 MILE	WINDY 10/15 MILE
JAN	.2	3.7	1.0	4.1		8.9	13.5	.7	.1
FEB	.3	2.5	.7	4.9		14.3	20.7	.	.3
MAR	1.0	4.0		1.0		10.1	13.5	.	.1
APR	1.2	6.4				8.4	9.6	.1	
MAY	3.2	7.3			.0	7.3	8.3	1.1	
JUN	2.1	6.1				8.1	8.7	.	
JUL	1.3	1.8				2.8	1.7	6.2	
AUG	1.7	3.3				3.0	3.3	3.3	
SEP	1.0	.0				6.0	1.0	1.1	
OCT	1.3	.0				3.9	11.3	.1	
NOV	.5	6.0	.1	1.0		12.3	16.3	.	
DEC	.0	.0	1.0	3.3		10.9	15.1	.3	.1
ANNUAL	1.3	4.7	.2	1.2	.0	7.0	10.0	1.3	.1

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB, OK
FID

PERIOD OF RECORD: MAR 73 - FEB 74
HOURS: ALL

PRECIP	HAIL	ALL PRECIP	FOG	SMOKE- S/10 BASE	BLOWING SNOW	DUST S/10 SAND	ALL DUST T/VSM	TOTAL NO. OF HRS
		8.8	13.5	.7	.2	.1	24.2	7440
		14.3	20.7	.7	.3	.2	35.1	6756
		10.0	12.5	.	.2	.0	23.0	7440
		6.4	8.6	.0		.8	14.2	7200
.0		7.3	8.8	1.1		.0	17.2	7440
		6.1	8.3	.7		.0	11.8	7200
		2.8	1.7	3.2			7.4	7440
		3.2	3.0	3.9		.0	10.9	7440
		6.0	4.1	2.1		.1	14.8	7200
		3.9	11.9	.7		.1	21.4	7440
		10.0	15.5	.0		.0	25.7	7200
		10.9	16.2	.4	.3		27.2	7440
.0		7.0	10.0	1.3	.1	.1	10.5	37560

OPERATING LOCATION: TAF
USAFPTAD, ASHVILLE, NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIATIONS AT
FROM CLIMATE BUREAU DATA

STATION NUMBER: 723540 STATION NAME: TINKER AFB, OK
LST TO UTC: +06

MONTH	TEMP	WIND	PRECIP	PRECIP	WIND	ALL	PRECIP	WIND
JAN	24.2	24.5	4.2	17.2	1.2	33.7	33.3	
FEB	11.2	22.3	5.2	15.2	1.2	35.2	37.2	1
MAR	21.2	31.2	1.7	1.3	1.2	35.2	31.2	
APR	17.2	37.7	1.2	1.3	2.3	37.7	22.2	1
MAY	27.2	41.2			1.7	41.2	24.2	
JUN	26.2	32.7			1.2	37.7	11.2	1
JUL	19.2	31.3			1.2	31.3	13.2	1
AUG	19.2	37.2			1.2	32.2	17.1	1
SEP	14.2	33.2			1.2	33.2	14.2	
OCT	14.2	21.2	1.1	1.2	1.2	29.2	22.2	1
NOV	14.2	21.1	1.2	1.2	1.7	32.2	21.2	
DEC	14.2	21.2	5.2	1.2	1.2	31.2	21.2	1
ANNUAL	17.2	31.3	1.2	4.3	1.2	33.4	24.1	

FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

TABLE AFD-18

PERIOD OF RECORD: 4901-1992
MONTH: ALL HOURS: ALL

HALE	ALL PRECIP	FOG	SAFETY S/14 HALE	FLUWING S/14 S/14	DUST S/14 SAND	ALL DUST TO VSA	TOTAL NO. OF HRS
.2	33.7	33.3	5.4	3.5	.1	45.9	1271
.9	35.5	37.3	7.3	2.5	.3	45.4	1152
1.5	35.5	35.5	5.1	1.0	.5	44.5	1239
2.3	37.7	22.3	4.1		.3	44.5	1199
3.7	44.5	24.3	5.5			41.4	1240
1.3	37.7	15.5	4.1		.1	44.5	1197
.5	15.3	3.5	4.5			33.5	1240
.3	27.5	15.1	7.3			37.5	1240
.5	33.5	24.3	5.7			44.2	1200
.3	29.5	22.5	5.1			36.3	1240
.7	37.5	24.5	4.3	.3		37.5	1200
.5	35.3	31.7	4.7	1.3	.1	42.5	1240
1.3	33.4	24.1	5.3	.7	.1	42.4	14554

PERCENTAGE ADOPTION OF POLYMER IN
FARM HOUSEHOLD RESERVATION

STATION NAME: TIKAPU AFB HI
LST TIME: + 5

11

1 2 3 4 5

TABLE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

AREA: JK

PERIOD OF RECORD: MAR 79 - FEB 80

HR	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.2	.3	1.	1.7	1.9	.4	.2
2	2.2	.4	1.4	2.7	1.7	.4	.4
3	2.2	1.2	1.4	1.7	1.4	.3	.3
4	.7	.7	.7	.4	1.3	.2	.1
5	1.7	.4	.2	.4	.2	.7	.1
6	3.1	1.2	1.4	1.	.7	.7	.2
7	4.1	1.4	1.3	1.4	1.7	.7	.3
8	4.2	1.4	2.4	1.4	1.3	.7	.1
9	2.	1.2	1.7	1.4	1.4	.7	.2
10	7442	7443	7444	7445	7446	7447	7448

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC WIND DIRECTION, 1961-1962, BY STATION

4-7

4-8

TEST NO.			13.9	31.9	47.4	
LIQUID DENSITY	1.0		47.4	22.5	13.9	1
RELATIVE DENSITY	1.0		55.0	5.0	13.9	1
TEMPERATURE DENSITY	1.0		57.4	5.0	13.9	
WAT.	1.0		44.5	12.4	13.9	
WAT. WITH VISC. OF 1/2 MILLS	1.0		46.0	12.3	13.9	1
TOTAL SOL.	404	0	2130	94.9	31.32	

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
 BY DIRECTION FROM HOURLY OBSERVATIONS

LAKE ARLES, OK

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: JAN HOURS: ALL

	000 - 179	180 - 269	270 - 359	NO OF OBS
0	11.5		35.3	17
1	19.5	15.4	11.7	267
2	25.7	10.7	2.5	75
3	9.3	4.2	15.7	313
4	12.5	25.7	15.8	1011
5	12.3	15.7	15.7	107
6	7.5	25.7	10.4	0
7				7440

MONTH: FEB HOURS: ALL

	000 - 179	180 - 269	270 - 359	NO OF OBS
0	31.5	45.5	9.1	22
1	23.5	10.4	15.4	585
2	5.0	15.0	15.0	50
3	5.5	3.2	22.4	340
4	12.4	19.3	17.3	1405
5	12.3	10.2	16.7	1251
6	9.0	21.03	11.59	0
7				6736

OPERATING LOCATION: WAW
USAFETAG, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
VERSUS WIND DIRECTION FROM 100-PLY OBSERVATION

STATION NUMBER: 723549

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERI
MONTH

PHENOMENA	CALC	VARIABLE	350 - 089	090 - 179	180 - 259	270
STMS	1.3		32.5	33.3	15.3	
LIQUID PRECIP	1.3		37.4	34.6	15.0	
SPECIAL PRECIP						
FROZEN PRECIP	1.3		55.3	5.3	1.3	
FG	5.3		31.7	25.3	1.3	
FG WITH VIS GE 1/2 MILES	1.3		32.2	23.1	19.1	
TOTAL OBS	434	1	1795	1514	2245	

STMS	3.3		25.1	24.5	25.0	
LIQUID PRECIP	1.3		32.5	21.9	13.0	
SPECIAL PRECIP						
FROZEN PRECIP						
FG	4.3		31.2	32.0	14.0	
FG WITH VIS GE 1/2 MILES	3.3		32.1	30.7	23.1	
TOTAL OBS	434	0	1592	1339	2533	1

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
 IN DIRECTION FROM HOURLY OBSERVATIONS

INKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: MAR HOURS: ALL

- 089	090 - 179	180 - 259	270 - 359	NO OF OBS	
2.5	33.2	15.3	15.3	80	
7.4	34.6	15.0	11.5	602	
5.3	5.4	1.3	37.2	78	
1.7	25.5	20.4	14.1	931	
1.2	23.5	19.5	14.2	373	
7.5	1514	2249	1377	9	7440

MONTH: APR HOURS: ALL

1.1	29.5	25.0	15.9	33	
1.5	25.9	13.2	15.5	337	
1.1	32.0	23.2	9.4	473	
1.1	30.7	23.2	9.9	446	
1.2	1339	2433	1352	0	7200

OPERATING LOCATION: WAW
USAFETAG, ASHTVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
VERSUS WIND DIRECTION FROM MONTHLY OBSERVATIONS

STATION NUMBER: 72340

STATION NAME: TINKER AFB MO
LST TO UTC: + 6

PERIOD:
MONTH:

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 269	270 - 359
ISMS	3.3		31.8	27.3	13.5	17
LIQUID PRECIP	4.6		41.5	20.6	13.5	19
FREZING PRECIP						
FROZEN PRECIP						
FG	3.3		36.7	20.6	21.7	11
FG WITH VIS GE 1/2 MILES	3.3		37.5	20.2	21.7	11
TOTAL OBS	607	0	1561	2101	2455	7

PERIOD:

ISMS	3.3		29.1	25.6	19.7	1
LIQUID PRECIP	4.6		27.3	33.7	22.2	11
FREZING PRECIP						
FROZEN PRECIP						
FG	13.3		29.4	32.3	18.9	
FG WITH VIS GE 1/2 MILES	13.0		23.6	33.4	19.7	
TOTAL OBS	542	0	1016	1352	3455	

FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
BY DIRECTION FROM HOURLY OBSERVATIONS

WATER AREA: 04

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR. HOURS: ALL

	000 - 179	180 - 269	270 - 359	NO OF OBS
1.0	27.3	19.8	17.9	242
1.5	20.6	13.5	19.9	347
1.7	20.6	20.8	11.8	554
2.0	20.2	21.3	12.0	523
101	2101	2455	725	7440

MONTH: JUL. HOURS: ALL

	26.6	19.7	17.7	203
1.1	26.6	19.7	17.7	203
1.3	33.7	22.0	11.7	212
1.4	32.6	18.9	5.6	323
1.6	33.4	19.9	5.2	308
101	1362	3465	315	7200

OPERATING LOCATION: "A"
USAF TAC, ASHLVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
VERSUS WIND DIRECTION, FROM HURLEY OBSERVATIONS

STATION NUMBER: 722340

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD:
MONTH: J

PHENOMENA	CALC	VARIABLE	360 - 089	090 - 179	180 - 259	270 -
ISMS	5.3		31.6	22.4	25.0	11.7
LIQUID PRECIP	15.5		24.4	25.4	21.3	11.7
FREZING PRECIP						
FROZEN PRECIP						
FG	21.3		23.3	25.4	19.5	11.7
FG WITH VIS 60 1/2 MILES	21.3		23.3	25.4	19.5	11.7
TOTAL OBS	377	0	791	2227	3725	23

PHENOMENA	CALC	VARIABLE	360 - 089	090 - 179	180 - 259	270 -
ISMS	5.5		19.7	22.3	30.7	21.7
LIQUID PRECIP	5.4		35.5	25.1	19.7	11.7
FREZING PRECIP						
FROZEN PRECIP						
FG	12.1		36.3	24.7	20.2	11.7
FG WITH VIS 60 1/2 MILES	12.7		37.4	25.7	19.6	11.7
TOTAL OBS	440	0	1107	2294	3350	2

ENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
 SECTION FROM HOURLY OBSERVATIONS

2 383 0K

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: JUL HOURS: ALL

000 - 179	180 - 269	270 - 359	NO OF OBS
22.4	25.0	15.2	76
26.4	21.3	11.0	127
25.4	14.6	10.7	129
25.4	11.4	10.4	129
2227	3700	235	0
			7440

MONTH: AUG HOURS: ALL

22.3	30.7	21.3	127
25.1	19.7	8.4	203
24.7	20.2	5.3	223
25.7	17.6	5.5	214
2294	3350	249	0
			7440

OPERATING LOCATION: WAW
USAFETAG, ASH-VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC
VERSUS WIND DIRECTION FROM EMPLY OBSERVATION

STATION NUMBER: 700040

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 279	270 - 360
TESTS	1.4		23.5	13.9	27.3	22.9
LIQUID PRECIP	11.3		34.9	27.0	16.5	1.3
FREEZING PRECIP						
FOG	12.4		27.7	17.1	20.6	1.2
FOG WITH VIS 50 1/2 MILES	12.4		27.7	17.1	21.1	1.2
TOTAL OBS	438	0	1349	2129	2047	1

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 279	270 - 360
TESTS	4.2		16.8	32.5	31.6	1.9
LIQUID PRECIP	3.9		36.0	26.3	22.1	1.7
FREEZING PRECIP						
FOG	6.7		23.4	25.0	25.5	1.4
FOG WITH VIS 50 1/2 MILES	6.7		23.1	25.4	25.0	1.4
TOTAL OBS	414	0	1737	1610	2777	1

1. FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
 2. DIRECTION FROM HOURLY OBSERVATIONS

AREA: AFR-OK PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: SEP HOURS: ALL

000 - 179	180 - 259	270 - 359	NO OF OBS	
13.9	27.0	22.5	111	
27.0	16.5	10.4	345	
17.1	22.4	9.8	420	
27.3	11.7	8.6	435	
2129	2849	434	0	7200

		MONTH: OCT		HOURS: ALL	
1.0	32.5	31.6	14.7		65
1.2	25.3	22.1	12.7		584
1.4	25.0	25.5	14.3		384
1.6	25.2	25.3	14.0		326
1.8	1610	2770	901	0	7440

OPERATING LOCATION NAME
USAFAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF WEATHER
VERSUS WIND DIRECTION FROM FULLY OBSERVED

STATION NUMBER: 70340

STATION NAME: TINKER AFB OK
EST TO UTC: + 6

PERIOD
MONTH

PHENOMENA	CALC	VARIABLE	350 - 049	090 - 179	180 - 259	270
ISDS			13.2	25.3	42.1	
LIQUID PRECIP	3.		45.6	16.0	19.0	
FREEZING PRECIP			62.5	12.5		
FROZEN PRECIP			67.5		5.0	
FG	4.7		41.0	17.5	12.5	
FG WITH VIS GE 1/2 MILES	4.6		41.5	16.7	14.0	
TOTAL OBS	437	0	1530	1205	1670	

ISDS			47.1	5.4	46.3	
LIQUID PRECIP	4.2		43.0	15.2	14.0	
FREEZING PRECIP			63.5	2.7	1.4	
FREEZING PRECIP	1.2		72.5	7.4	1.1	
FG	5.1		43.8	10.5	17.3	
FG WITH VIS GE 1/2 MILES	5.0		44.5	10.4	16.3	
TOTAL OBS	502	0	2228	864	761	

SEQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
 IN DIRECTION FROM HOURLY OBSERVATIONS

WINTER: APR - DEC

PERIOD OF RECORD: MAR 72 - FEB 84
 MONTH: NOV HOURS: ALL

000 - 049	050 - 179	180 - 269	270 - 359	40 OF 105	
11.2	25.3	42.1	12.4	32	
45.5	16.0	19.0	15.7	612	
1.0	12.8		24.7		
1.5		5.3	34.2	76	
11.2	12.3	10.7	13.1	1032	
1.1	16.7	21.0	14.0	981	
16.0	1205	1670	1338	0	7290

MONTH: DEC HOURS: ALL

17.1	5.7	35.3	11.0	17	
1.0	13.2	13.8	14.2	471	
13.1	2.7	1.4	12.2	74	
1.5	7.9	1.1	7.0	570	
13.2	10.8	27.3	12.5	1200	
45.5	10.4	25.3	13.6	1075	
2228	364	2612	1227	0	7440

OPERATING LOCATION: "A"
USAFSTAG, ARBIVILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF AIRBORNE
VERSUS WIND DIRECTION, 1000-1700 LT, 1/1/54

STATION NUMBER: 22240

STATION NAME: TINKER AFB, OK

LST TO HQ: + 6

PHENOMENA	DATE	VARIABLE	340 - 049	090 - 179	180 - 359
TSRS	4.1		27.2	25.1	14.7
LI. 01 - P4-CIP	4.7		39.4	23.1	17.4
01-01-01 P4-CIP	1.2		14.4	12.1	11.7
01-01-01 P4-CIP	1.2		59.2	7.1	4.7
TS	2.4		35.5	13.1	11.2
01-01-01 P4-CIP	2.4		37.3	17.1	11.7
TOTAL	14.1	0	19230	19020	58000

THE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
 BY WIND DIRECTION, FROM DAILY OBSERVATIONS

STATION: ALEXANDRIA

PERIOD OF RECORD: JAN 74 - FEB 69

STATION: ALEXANDRIA

WINDS: ALL

000 - 049	050 - 099	100 - 149	150 - 199	200 - 249	250 - 299	300 - 349	350 - 399	400 - 449	450 - 499	500 - 549	550 - 599	600 - 649	650 - 699	700 - 749	750 - 799	800 - 849	850 - 899	900 - 949	950 - 999	TOTAL
27.2	26.1	24.5	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	1116
30.4	24.2	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	4201
16.4	12.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	227
32.2	7.2	3.7	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	1077
18.5	19.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	1742
37.3	19.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	8061
14230	14022	14255	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	10616	37665

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

DAILY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-END) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0.0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN YEAR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE

NAVY AND NATIONAL WEATHER SERVICE

THROUGH 1945: 0300 LST THROUGH JUL 1952: 0030 GMT

JAN 1946 TO MAY 1957: 1230 LST JUN 1952 TO MAY 1957: 1230 GMT

JUN 1957 TO PRESENT: 1200 GMT JUN 1957 TO PRESENT: 1200 GMT

CONVERSIONS:

- 1 INCH = 25.39993 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION: 'A'
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PREC
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723543

STATION NAME: TINKER AFB OK
LST TO UTC: +06

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
NO PRE	46.4	63.3	53.9	61.7	55.4	61.9	71.5	73.1
TRACE	17.6	16.9	12.9	15.9	14.1	11.1	10.9	8.1
.01	2.1	1.9	1.3	1.7	2.2	1.7	1.9	1.1
.02-.05	3.1	4.3	4.5	3.4	3.3	3.9	3.4	3.1
.06-.10	2.8	2.8	2.5	2.4	2.4	3.5	2.4	1.1
.11-.25	2.2	4.9	4.7	4.5	4.5	3.1	3.1	2.1
.26-.50	2.5	3.4	3.7	3.6	5.2	3.9	2.2	1.1
.51-1.00	1.5	1.9	4.5	4.2	5.0	4.3	3.9	2.1
1.01-2.00	1.1	1.9	2.0	3.0	4.7	3.9	2.9	1.1
2.01-5.00	1.1	.1	.1	.2	1.0	.5	.5	.1
5.01-10.00	1.1				.2	.1		
10.01-20.00								
20.01-50.00								
DAYS WITH MEASUREMENT	14.7	13.3	23.2	23.3	20.5	21.0	14.5	14.1
TOTAL NO. OF OBSERVATIONS	1467	1307	1395	1350	1325	1370	1325	1311

CY OF OCCURRENCE OF PRECIPITATION IN INCHES
 SUMMARY OF DAY DATA

PERIOD OF RECORD: 4301-8902
 MONTH: ALL HOURS: ALL

DAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
4	51.9	71.5	73.2	67.3	71.6	71.4	69.1	66.6
1	11.1	10.0	8.5	10.3	9.5	11.7	14.3	12.6
2	1.7	.6	1.9	1.5	1.3	1.5	1.8	1.6
3	3.9	3.3	3.4	3.4	3.4	2.9	4.2	3.7
4	3.8	2.4	1.5	2.5	1.6	2.9	1.9	2.4
5	3.1	3.1	3.1	4.4	3.7	3.1	2.3	3.9
6	3.2	3.2	3.6	3.0	2.2	2.0	2.7	3.2
7	4.3	3.6	2.9	3.3	3.7	2.2	2.0	3.2
8	3.9	2.5	1.5	2.3	2.7	2.0	1.2	2.4
9	.7	.4	.3	.7	.3	.1	.1	.3
0	.1			.1	.1			.0
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OPERATING LOCATION: 'A'
USAF TAC, ASHEVILLE, NC

TOTAL MONTHLY PRECIPITATION AMOUNTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723540 STATION NAME: TINKER AFB OK
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
43	.02	.55	2.24	2.33	9.16	1.53	.19	.63
44	2.51	1.35	2.47	3.25	4.42	4.54	1.22	2.12
45	1.25	2.53	4.02	4.42	3.33	3.45	5.75	2.32
46	5.31	TRACE*						
47	.29	TRACE*	.36	3.40	5.52	3.35	5.64	.71
48	.81	2.07	5.15	.97	4.03	9.75	2.13	1.12
49	5.05	1.23	1.37	.74	6.05	5.56	2.45	2.09
50	.79	1.33	.33	.35	10.54	2.13	5.22	2.15
51	.75	2.41	.33	4.64	6.73	4.97	3.33	3.21
52	1.01	2.45	3.43	2.08	9.73	.35	2.01	2.21
53	.84	1.27	3.75	4.00	2.46	2.19	4.61	5.24
54	.65	.82	.54	3.24	5.73	1.04	.19	.72
55	1.21	.97	1.61	1.37	10.53	3.45	.05	2.31
56	.32	.55	.55	2.79	4.95	2.12	1.02	.63
57	2.01	1.39	1.32	7.04	11.35	11.14	.74	2.15
58	1.41	1.35	3.35	4.03	2.15	2.04	2.24	2.79
59	.35	1.14	2.35	1.71	7.05	4.09	7.35	2.02
60	1.51	2.45	.65	4.41	3.44	4.55	7.39	2.69
61	.02	1.13	1.55	1.15	2.33	3.31	7.35	1.51
62	.53	.75	1.00	2.47	2.74	4.45	1.49	1.55
63	.32	.23	3.22	3.62	1.52	1.37	7.45	1.25
64	.75	2.52	1.95	2.35	4.59	.55	.22	5.15
65	2.22	1.24	.45	2.38	3.95	2.27	1.97	5.22
66	.51	1.75	.45	3.69	.34	2.33	3.15	9.27
67	.14	.37	2.59	5.79	3.30	5.09	1.14	1.02
68	2.37	.54	3.55	3.04	4.53	1.05	1.03	2.07
69	.03	2.04	2.55	1.72	3.75	4.95	2.59	1.97
70	.17	.50	2.21	2.97	7.12	2.45	.05	.51
71	.75	1.35	.11	1.55	3.33	3.95	4.51	2.15
72	.37	.55	.68	4.11	4.65	1.33	3.51	2.55
73	4.35	.32	5.72	3.35	3.30	5.74	3.73	.29
74	.04	2.05	2.37	4.55	5.72	4.42	.12	3.03
75	2.32	1.82	2.41	1.75	9.25	4.35	6.55	1.03

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

LAKE ARROW

PERIOD OF RECORD: 4301-8902
MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
4.16	1.53	.09	.63	.95	1.05	.34	3.29	22.22
4.42	4.54	1.32	2.19	2.73	5.43	2.62	2.24	35.14
3.33	2.95	5.75	2.32	10.78	.42	.07	.03	44.38
				.48	.75	2.34	2.84	11.73*
4.52	3.34	5.44	.21	.63	1.07	1.37	1.52	30.32
4.33	4.70	2.10	1.12	TRACE	.39	1.03	.53	23.37
5.25	5.36	2.45	2.00	2.05	5.06	.00	1.23	33.69
10.54	2.13	5.22	2.15	2.12	.28	.54	.16	29.62
5.73	4.97	3.30	3.31	4.40	1.97	1.23	.94	35.10
4.73	.35	2.21	2.21	.53	TRACE	2.04	.79	27.71
2.40	2.19	4.62	3.24	.54	7.48	1.14	.48	32.02
5.73	1.04	.05	.02	1.11	1.43	.07	1.54	17.35
12.53	3.45	.22	2.31	5.54	5.92	.11	.02	34.16
4.95	2.12	1.92	.62	.12	1.18	2.01	3.43	20.65
11.35	11.14	.74	2.15	4.37	2.36	2.85	1.02	49.29
2.15	3.24	2.24	3.79	2.21	.06	.31	1.49	32.24
7.05	4.99	7.35	2.90	4.94	5.47	1.50	3.35	44.82
3.49	4.50	7.09	2.05	1.30	3.70	.64	3.24	40.46
2.33	3.31	7.25	1.31	11.32	2.78	4.22	.85	38.04
2.74	4.45	1.59	1.35	3.97	1.34	1.46	.32	23.95
1.52	1.57	7.45	1.25	1.34	.21	1.57	1.00	23.90
4.50	.54	.22	4.08	4.00	1.33	7.26	.69	30.99
3.95	2.27	1.97	6.20	4.53	.95	.16	3.25	29.75
.34	2.33	3.14	9.27	3.05	.52	.94	.26	26.71
5.30	5.09	1.24	1.52	4.52	2.61	.26	.71	30.15
1.53	1.06	1.03	2.27	4.55	3.07	5.24	1.55	37.43
3.73	4.90	2.59	1.37	3.64	2.70	.27	2.53	29.69
7.12	2.45	.98	.61	9.43	4.59	1.14	.32	32.60
3.33	3.94	4.51	2.15	4.53	4.93	.11	2.79	30.78
4.05	1.33	3.91	2.36	.77	6.63	3.25	.75	30.12
3.90	5.74	3.73	.69	11.85	3.36	3.60	.54	50.19
5.72	4.47	.30	3.93	4.50	5.09	3.35	1.73	39.31
9.28	4.36	6.55	1.03	1.72	1.01	1.61	1.87	36.04

OPERATING LOCATION: TINKER AFB
USAFPTAC, ASHVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS
FROM SUMMARY 24 DAY DATA

STATION NUMBER: 723540 STATION NAME: TINKER AFB OK
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
76	TRACE	.54	3.74	3.91	4.44	.92	1.44	2.11
77	1.22	1.56	1.69	1.60	6.69	1.97	4.24	.32
78	1.22	3.58	2.50	1.56	9.17	4.02	3.71	.05
79	1.32	.75	2.93	2.90	5.37	3.36	5.55	3.25
80	1.37	.46	1.22	3.73	3.68	3.53	TRACE	.20
81	.84	1.89	3.05	1.57	3.56	7.33	4.33	4.73
82	4.01	.00	1.43	2.57	12.01	4.28	4.53	.43
83	2.71	1.80	3.22	3.55	9.52	1.67	.96	4.12
84	.20	.55	4.75	1.62	1.76	3.81	.61	5.17
85	.00	3.76	7.09	5.33	2.43	10.05	1.69	2.42
86	.20	.66	3.29	4.10	5.83	3.04	.17	2.01
87	1.24	4.26	3.10	.36	6.54	5.11	2.33	1.37
88	.68	.42	7.31	2.36	1.57	2.22	1.75	2.56
89	1.14	2.41						

LEAST	.00	TRACE	.11	.36	.34	.35	TRACE	.01
GREATEST	4.09	5.75	4.72	3.59	12.01	11.15	4.22	5.27
MEAN	1.22	1.45	2.56	3.02	5.55	4.15	3.05	2.32
MINIMUM	.75	1.24	2.23	2.90	6.73	3.31	2.65	2.15
SD	1.394	1.124	1.257	1.753	3.009	2.435	2.439	1.501
TOTAL LYS	1457	1307	1395	1350	1495	1350	1395	1395

THE GREATEST VALUE OF 13.45 OCCURRED ON 10/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 20% OF THE

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

INCHES PER DAY

PERIOD OF RECORD: 4301-3902
MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	4.44	.92	1.45	2.11	.71	1.59	.03	.57	20.11
2	5.39	1.57	4.24	.92	.50	1.53	1.47	.35	23.04
3	9.17	4.02	3.71	.95	2.54	2.26	5.39	.79	37.86
4	5.37	2.74	5.55	3.95	.77	1.65	3.47	3.05	41.30
5	2.69	3.53	TRACE	.20	.95	1.16	.93	2.25	25.19
6	3.55	7.03	4.33	3.73	2.05	9.44	2.73	.10	39.91
7	12.01	4.20	4.53	.43	1.50	.74	3.28	2.73	38.97
8	9.52	1.57	.95	4.22	1.47	13.45	2.13	.75	46.31
9	1.75	3.51	.41	3.17	.73	5.29	1.95	0.53	34.09
10	2.40	10.05	1.49	2.93	4.35	5.31	3.45	.35	49.44
11	5.55	3.24	.17	2.40	1.95	5.70	5.21	1.41	42.06
12	5.04	5.11	2.33	2.35	4.15	1.37	1.07	3.41	33.53
13	1.57	2.22	1.75	2.45	5.05	2.30	3.47	1.39	33.26
									4.40*

14	.34	.35	TRACE	.01	TRACE	TRACE	.00	.02	17.35
15	12.01	11.13	9.22	9.27	11.35	13.45	7.25	9.53	50.19
16	5.55	4.13	3.05	2.32	3.42	3.02	1.99	1.54	33.83
17	5.73	3.31	2.45	2.15	2.35	2.02	1.49	1.15	33.26
18	3.000	2.405	2.430	1.521	3.059	2.737	1.746	1.520	7.967
19	1495	1350	1395	1395	1330	1425	1360	1425	16656

10/83

A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 141
USAFETAC, ASH-VILL, NC

EXTREME DAILY PRECIPITATION AMOUNTS
FROM SUMMARY OF DLY DATA

STATION NUMBER: 723540 STATION NAME: TIAKER AFB, NC
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
43	.02	.82	.67	.97	3.69	1.11	.71	.47
44	1.4	.36	1.73	1.22	1.14	3.73	.83	.75
45	.34	.70	.94	.73	2.27	1.39	2.29	1.77
46	2.17	TRACE						
47	.25	TRACE	.36	1.52	1.55	1.33	2.76	.41
48	.13	.72	1.29	.79	2.03	3.66	.34	.71
49	1.43	.36	.46	.36	2.06	1.47	1.76	.53
50	.34	.70	.14	.76	5.55	1.27	1.76	.7
51	.2	1.11	.32	2.93	2.37	1.66	2.01	1.39
52	.33	1.13	1.10	.61	3.44	.11	.73	1.65
53	.1	.92	1.37	2.49	1.79	1.45	1.52	1.85
54	.41	.82	.24	1.24	1.59	.33	.37	.7
55	.82	.92	.33	.73	5.46	.39	.29	.84
56	.21	.23	.44	1.17	1.51	.74	.89	.53
57	.31	.36	.43	1.57	2.10	3.11	.71	.32
58	.27	.53	.93	2.21	.56	2.18	.70	1.71
59	.24	.60	1.29	.72	2.90	1.33	1.33	1.35
60	.41	1.76	.13	1.72	1.71	1.49	2.37	.36
61	.33	.37	.56	.62	.92	1.11	2.23	.81
62	.21	.42	.77	1.44	2.13	3.07	.3	.64
63	.21	.13	1.52	2.03	.94	1.05	3.77	.39
64	.2	1.35	.65	1.46	1.53	.35	.64	1.35
65	.36	.40	.75	1.33	2.23	.62	.73	2.79
66	.33	.94	.36	1.41	.20	1.32	1.13	2.51
67	.24	.37	.27	2.15	1.20	2.36	.62	1.23
68	1.25	.27	1.14	1.20	2.06	.43	.53	1.23
69	.44	.32	1.37	.62	2.64	2.25	2.23	.64
70	.11	.15	.54	1.50	5.23	.83	.55	.33
71	.33	1.55	.69	.69	.78	1.32	2.37	1.17
72	.13	.39	.44	1.07	2.53	.51	1.41	.32
73	.24	.23	2.45	1.13	1.29	2.10	1.49	.47
74	.29	.75	1.41	3.04	2.55	3.39	.33	1.34
75	1.22	.73	.67	1.11	2.92	1.99	4.54	.62

DAILY PRECIPITATION AMOUNTS IN INCHES
SUMMARY OF DAY DATA

PERIOD OF RECORD: 4301-8902
MONTH: ALL HOURS: ALL

JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1.11	.96	.47	.32	.43	.34	1.77	3.69
3.73	.73	.75	1.15	2.11	.77	1.56	3.73
1.39	2.29	1.77	2.72	.12	.05	.01	2.72
			.35	.53	1.05	1.55	2.17*
2.45	2.75	.01	.53	.41	.35	1.45	2.75
3.55	.74	.55	TRACE	.17	.50	.39	3.55
1.47	1.05	.53	.75	1.63	.50	.50	2.06
1.27	1.75	.55	.55	.23	.77	.09	5.68
1.55	2.01	1.94	2.32	.54	.82	.04	2.93
.20	.73	1.55	.49	TRACE	.74	.71	3.44
1.55	1.52	1.35	.45	2.48	.22	.58	2.49
.53	.52	.30	.75	.55	.07	.50	1.59
.90	.29	.95	2.57	2.72	.11	.02	5.46
.74	.50	.53	.12	.50	1.58	1.39	1.89
3.13	.71	.22	3.13	.38	1.40	.90	3.13
2.15	.50	1.51	.92	.03	.25	.40	2.21
1.33	1.32	1.50	3.35	1.35	1.50	1.73	3.85
1.44	2.90	.25	.90	2.23	.43	1.03	2.90
1.10	2.20	.53	3.33	1.30	1.50	.51	3.83
3.07	.50	.34	1.45	.38	.35	.77	4.07
1.05	3.70	.25	.54	.20	1.13	.56	3.70
.35	.54	1.45	.92	1.04	2.01	.41	2.01
.80	.73	2.79	1.70	.79	.15	2.25	2.79
1.02	1.19	2.53	1.23	.52	.80	.10	2.58
2.35	.42	1.22	1.80	1.00	.09	.25	2.85
.40	.53	1.20	2.52	1.28	1.36	.52	2.62
2.25	2.23	.54	1.30	2.15	.27	1.39	2.64
.53	.55	.33	5.15	1.43	.80	.21	6.15
1.33	2.57	1.17	1.39	2.53	.05	1.01	2.87
.51	1.91	.92	.55	2.71	1.50	.31	2.71
2.10	1.68	.45	2.21	.99	1.75	.45	2.45
3.32	.23	1.34	1.09	1.66	1.57	.42	3.39
1.99	4.54	.60	.53	.55	.69	.27	4.54

OPERATING LOCATION: ASH
USAF TAC, ASH-VILL NC

EXTREME DAILY PRECIPITATION AMOUNT
FROM SUMMARY OF DRY DATA

STATION NUMBER: 71890 STATION NAME: HICKS ARMY AIR
EST TO WTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
75	1.10	.33	1.20	1.32	1.33	.43	.20	.77
77	.11	1.21	.90	.72	2.12	.99	2.26	.82
78	.50	1.75	.65	.67	2.30	2.12	1.75	.8
79	.22	.74	1.20	.72	2.22	1.63	1.11	2.1
80	1.15	.25	.60	1.73	2.27	1.92	1.807	.11
81	.45	.36	.83	.53	.74	2.33	1.7	1.37
82	1.25	.39	.64	1.04	2.94	1.11	1.	.37
83	1.45	.51	1.17	1.97	3.34	.72	.53	3.
84	.11	.33	2.6	.87	.92	1.54	.25	1.21
85	.72	2.55	1.00	2.27	1.75	3.13	.71	1.3
86	.01	.20	1.10	1.99	2.15	.76	.13	.41
87	1.34	1.72	1.95	.31	2.59	1.73	1.7	1.7
88	.22	.35	2.44	1.25	.95	1.57	.4	1.22
89	.72	1.1						

.....
GREATEST 2.33 2.53 2.65 3.04 5.63 6.15 4.86 3.37

.....
TOTAL 1457 1307 1305 1350 1395 1350 1395 1350

THE GREATEST VALUE OF 6.15 OCCURRED ON 09/22/70

NOTE: WTC VALUE IS BASED ON A MONTH WITH LESS THAN 200 HOURS OF THE

DAILY PRECIPITATION AMOUNTS IN INCHES
 SUMMARY OF DAILY DATA

PERIOD OF RECORD: 4301--4302
 MONTH: ALL HOURS: ALL

JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.00	.00	.27	.20	1.33	.03	.64	1.33
.00	2.00	.02	.00	.72	1.01	.16	2.82
.00	1.00	.40	1.74	1.00	2.40	.61	2.46
1.00	1.11	1.00	.48	.70	3.37	2.34	3.37
1.00	1.00	.11	.00	.00	.00	1.00	2.27
1.00	1.00	1.00	1.00	1.00	1.00	.10	3.70
1.00	1.00	.00	.44	.00	1.70	.00	2.94
.00	.00	3.00	1.00	3.00	.00	.00	5.90
1.00	.00	1.00	.00	1.00	1.47	3.00	3.00
.00	.71	1.00	1.00	1.00	1.40	.20	5.10
.00	.10	.00	.00	2.00	1.00	.00	2.00
1.00	1.00	1.00	.00	.00	.00	1.00	2.00
1.00	.00	1.00	2.00	1.00	2.00	.00	2.00
							1.10*

.1 3.00 3.00 5.10 5.00 3.37 3.00 5.10

100 100 100 100 100 100 100 100

100 100 100

100 100 100 100 100 100 100 100

OPERATING LOCATION: JASSTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 712540

STATION NAME: TINKER AFB OK
LST TO UTC: +06

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
NONE	92.4	84.7	91.4	90.5	100.0	100.0	100.0	100.0
TRACE	10.0	10.0	5.3	.3				
0.1-0.4	.1	1.0	.0	.1				
0.5-1.4	1.0	1.7	.3	.1				
1.5-2.4	1.0	.3	.6					
2.5-3.4	1.0	.0	.2					
3.5-4.4	.1	.3						
4.5-5.4	.0	.0	.1					
5.5-10.4	.1	.1	.2					
10.5-15.4								
15.5-20.4								
20.5-25.4								
25.5-30.4								
30.5-35.4								
35.5-40.4								
40.5-45.4								
45.5-50.4								
50.5-55.4								
55.5-60.4								
60.5-65.4								
65.5-70.4								
70.5-75.4								
75.5-80.4								
80.5-85.4								
85.5-90.4								
90.5-95.4								
95.5-100.4								
100.5-105.4								
105.5-110.4								
110.5-115.4								
115.5-120.4								
120.5-125.4								
125.5-130.4								
130.5-135.4								
135.5-140.4								
140.5-145.4								
145.5-150.4								
150.5-155.4								
155.5-160.4								
160.5-165.4								
165.5-170.4								
170.5-175.4								
175.5-180.4								
180.5-185.4								
185.5-190.4								
190.5-195.4								
195.5-200.4								
200.5-205.4								
205.5-210.4								
210.5-215.4								
215.5-220.4								
220.5-225.4								
225.5-230.4								
230.5-235.4								
235.5-240.4								
240.5-245.4								
245.5-250.4								
250.5-255.4								
255.5-260.4								
260.5-265.4								
265.5-270.4								
270.5-275.4								
275.5-280.4								
280.5-285.4								
285.5-290.4								
290.5-295.4								
295.5-300.4								
300.5-305.4								
305.5-310.4								
310.5-315.4								
315.5-320.4								
320.5-325.4								
325.5-330.4								
330.5-335.4								
335.5-340.4								
340.5-345.4								
345.5-350.4								
350.5-355.4								
355.5-360.4								
360.5-365.4								
365.5-370.4								
370.5-375.4								
375.5-380.4								
380.5-385.4								
385.5-390.4								
390.5-395.4								
395.5-400.4								
400.5-405.4								
405.5-410.4								
410.5-415.4								
415.5-420.4								
420.5-425.4								
425.5-430.4								
430.5-435.4								
435.5-440.4								
440.5-445.4								
445.5-450.4								
450.5-455.4								
455.5-460.4								
460.5-465.4								
465.5-470.4								
470.5-475.4								
475.5-480.4								
480.5-485.4								
485.5-490.4								
490.5-495.4								
495.5-500.4								
500.5-505.4								
505.5-510.4								
510.5-515.4								
515.5-520.4								
520.5-525.4								
525.5-530.4								
530.5-535.4								
535.5-540.4								
540.5-545.4								
545.5-550.4								
550.5-555.4								
555.5-560.4								
560.5-565.4								
565.5-570.4								
570.5-575.4								
575.5-580.4								
580.5-585.4								
585.5-590.4								
590.5-595.4								
595.5-600.4								
600.5-605.4								
605.5-610.4								
610.5-615.4								
615.5-620.4								
620.5-625.4								
625.5-630.4								
630.5-635.4								
635.5-640.4								
640.5-645.4								
645.5-650.4								
650.5-655.4								
655.5-660.4								
660.5-665.4								
665.5-670.4								
670.5-675.4								
675.5-680.4								
680.5-685.4								
685.5-690.4								
690.5-695.4								
695.5-700.4								
700.5-705.4								
705.5-710.4								
710.5-715.4								
715.5-720.4								
720.5-725.4								
725.5-730.4								
730.5-735.4								
735.5-740.4								
740.5-745.4								
745.5-750.4								
750.5-755.4								
755.5-760.4								
760.5-765.4								
765.5-770.4								
770.5-775.4								
775.5-780.4								
780.5-785.4								
785.5-790.4								
790.5-795.4								
795.5-800.4								
800.5-805.4								
805.5-810.4								
810.5-815.4								
815.5-820.4								
820.5-825.4								
825.5-830.4								
830.5-835.4								
835.5-840.4								
840.5-845.4								
845.5-850.4								
850.5-855.4								
855.5-860.4								
860.5-865.4								
865.5-870.4								
870.5-875.4								
875.5-880.4								
880.5-885.4								
885.5-890.4								
890.5-895.4								
895.5-900.4								
900.5-905.4								
905.5-910.4								
910.5-915.4								
915.5-920.4								
920.5-925.4								
925.5-930.4								
930.5-935.4								
935.5-940.4								
940.5-945.4								
945.5-950.4								
950.5-955.4								
955.5-960.4								
960.5-965.4								
965.5-970.4								
970.5-975.4								
975.5-980.4								
980.5-985.4								
985.5-990.4								
990.5-995.4								
995.5-1000.4								
TOTAL	1196	1222	1302	1290	1302	1260	1332	1312

FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
 48 IN SUMMARY OF DAY DATA

ALBEX

PERIOD OF RECORD: 4501-8902
 MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	100.0	100.0	100.0	100.0	100.0	99.3	95.0	90.4	95.2
						.2	3.6	6.2	3.2
							.4	.7	.4
							.6	1.3	.5
							.2	.7	.3
								.3	.2
								.2	.1
							.2	.2	.1
								.1	.0
							1.4	3.6	1.5
	1302	1260	1302	1302	1290	1323	1290	1333	15560

OPERATING LOCATION: 121
USAFETAC, AGO VILLAGE

TOTAL MONTHLY SNOWFALL AMOUNTS IN
FROM SUMMARY OF DATA

STATION NUMBER: 70840 STATION NAME: TINKER AFB MO
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
46	TRACE	.08						
47	4.2	TRACE	.2	.0	.0	.0	.0	.0
48	.7	.4	11.7	.0	.0	.0	.0	.0
49	13.4	.1	TRACE	TRACE	.0	.0	.0	.0
50	.4	TRACE	TRACE	.0	.0	.0	.0	.0
51	3.4	.1	TRACE	TRACE	.0	.0	.0	.0
52	2.1	2.7	TRACE	.0	.0	.0	.0	.0
53	3.7	TRACE	TRACE	.0	.0	.0	.0	.0
54	4.4	.0	1.7	.0	.0	.0	.0	.0
55	.1	.2	1.7	.0	.0	.0	.0	.0
56	.2	3.6	TRACE	.1	.0	.0	.0	.0
57	.1	TRACE	TRACE	.2	.0	.0	.0	.0
58	3.4	1.3	4.0	.0	.0	.0	.0	.0
59	2.0	1.1	1.3	.0	.0	.0	.0	.0
60	2.4	4.6	2.3	.0	.0	.0	.0	.0
61	.2	3.0	TRACE	.1	.0	.0	.0	.0
62	3.4	.1	.0	.0	.0	.0	.0	.0
63	TRACE	2.0	.0	.0	.0	.0	.0	.0
64	TRACE	TRACE	2.4	.0	.0	.0	.0	.0
65	4.3	1.0	.4	.0	.0	.0	.0	.0
66	3.6	3.0	.0	.0	.0	.0	.0	.0
67	TRACE	TRACE	1.0	.0	.0	.0	.0	.0
68	.4	7.7	17.9	.0	.0	.0	.0	.0
69	TRACE	1.6	3.9	.0	.0	.0	.0	.0
70	1.0	TRACE	1.0	1.0	.0	.0	.0	.0
71	TRACE	4.1	.0	.0	.0	.0	.0	.0
72	TRACE	4.0	.0	.0	.0	.0	.0	.0
73	3.6	TRACE	.0	TRACE	.0	.0	.0	.0
74	.7	TRACE	.5	.0	.0	.0	.0	.0
75	TRACE	2.0	TRACE	TRACE	.0	.0	.0	.0
76	TRACE	.4	.0	.0	.0	.0	.0	.0
77	4.0	1.1	.0	.0	.0	.0	.0	.0
78	4.0	13.0	TRACE	.0	.0	.0	.0	.0
79	3.0	6.9	.0	.0	.0	.0	.0	.0
80	TRACE	1.0	TRACE	.0	.0	.0	.0	.0

ALL MONTHLY SNOWFALL AMOUNTS IN INCHES
 15 MIN SUMMARY OF DAY DATA

REF ID:

PERIOD OF RECORD: 4601-8902
 MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE*
.0	.0	.0	.0	.0	.0	.0	.1	4.5
.0	.0	.0	.0	.0	.0	.1	TRACE	20.2
.0	.0	.0	.0	.0	.0	.0	.0	20.5
.0	.0	.0	.0	.0	.0	2.1	.0	7.7
.0	.0	.0	.0	.0	.0	2.9	TRACE	12.0
.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.4
.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.7
.0	.0	.0	.0	.0	.0	.0	9.1	15.3
.0	.0	.0	.0	.0	.0	1.1	TRACE	6.8
.0	.0	.0	.0	.0	.0	.0	2.3	6.2
.0	.0	.0	.0	.0	TRACE	TRACE	.0	.3
.0	.0	.0	.0	.0	.0	1.2	11.0	22.9
.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.0
.0	.0	.0	.0	.0	.0	.0	3.3	17.6
.0	.0	.0	.0	.0	.0	.0	TRACE	6.0
.0	.0	.0	.0	.0	.0	TRACE	1.5	4.5
.0	.0	.0	.0	.0	.0	.0	3.0	5.0
.0	.0	.0	.0	.0	.0	.0	TRACE	2.4
.0	.0	.0	.0	.0	.0	.0	TRACE	5.3
.0	.0	.0	.0	.0	.0	.0	TRACE	6.0
.0	.0	.0	.0	.0	TRACE	.0	.4	2.9
.0	.0	.0	.0	.0	.0	TRACE	.0	25.0
.0	.0	.0	.0	.0	.0	.0	7.4	14.8
.0	.0	.0	.0	.0	.0	TRACE	.0	4.0
.0	.0	.0	.0	.0	.0	.2	5.0	11.2
.0	.0	.0	.0	.0	.0	5.3	1.2	11.5
.0	.0	.0	.0	.0	.0	.0	.4	10.3
.0	.0	.0	.0	.0	.0	1.0	3.0	5.2
.0	.0	.0	.0	.0	.0	TRACE	5.7	7.7
.0	.0	.0	.0	.0	.0	TRACE	TRACE	.4
.0	.0	.0	.0	.0	.0	TRACE	.0	5.6
.0	.0	.0	.0	.0	.0	.0	3.0	25.0
.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.9
.0	.0	.0	.0	.0	.0	4.7	.0	5.7

OPERATING LOCATION: 'A'
USAFCTAG, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN
FROM SUMMARY OF MAY DATA

STATION NUMBER: 725140

STATION NAME: TINKER AFB OK
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	TRACE	.5	.0	.0	.0	.0	.0	.0
82	1.0	3.3	2.2	.0	.0	.0	.0	.0
83	0.7	4.4	TRACE	.0	.0	.0	.0	.0
84	3.4	.3	TRACE	.0	.0	.0	.0	.0
85	3.1	4.0	.0	.0	.0	.0	.0	.0
86	.1	4.3	TRACE	.0	.0	.0	.0	.0
87	4.0	1.2	TRACE	.0	.0	.0	.0	.0
88	7.1	TRACE	.3	.0	.0	.0	.0	.0
89	3.1	TRACE						

LEAST	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	13.0	13.0	17.0	1.0	.0	.0	.0	.0
MEAN	3.0	2.2	1.6	TRACE	.0	.0	.0	.0
MEDIAN	3.0	1.1	TRACE	.0	.0	.0	.0	.0
SD	3.427	2.917	3.413	.157	.000	.110	.000	.000
TOTAL 195	1354	1022	1302	1260	1302	1260	1312	1302

THE GREATEST VALUE OF 13.0 OCCURRED ON 01/40

THE MEAN VALUE IS BASED ON A MONTH WITH LESS THAN ONE DAY OF DATA

MONTHLY SNOWFALL AMOUNTS IN INCHES

FROM SUMMARY OF DAY DATA

STATION

PERIOD OF RECORD: 4601-8902

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.0	.0	.0	.0	.0	.0	.0	TRACE	.5
.0	.0	.0	.0	.0	.0	TRACE	TRACE	0.5
.0	.0	.0	.0	.0	.0	TRACE	1.9	13.1
.0	.0	.0	.0	.0	.0	TRACE	4.4	3.6
.0	.0	.0	.0	.0	.0	1.0	.4	3.5
.0	.0	.0	.0	.0	.0	.0	TRACE	9.0
.0	.0	.0	.0	.0	.0	.0	12.5	23.5
.0	.0	.0	.0	.0	.0	1.0	1.5	9.9
								5.0*

.0	.0	.0	.0	.0	.0	.0	.0	.3
.0	.0	.0	.0	.0	TRACE	6.3	12.5	25.0
.0	.0	.0	.0	.0	TRACE	.5	1.9	7.5
.0	.0	.0	.0	.0	.0	TRACE	.2	7.3
1.000	1.000	1.000	1.000	1.000	1.000	1.232	3.123	6.340
1302	1290	1302	1302	1290	1333	1290	1333	15560

100-210-01 01/40

WITH LESS THAN 20% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: TINKER AFB, OK
 USAF DTIC, ASHVILLE, NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
 FROM SUMMARY OF DAY DATA

STATION NUMBER: 721949 STATION NAME: TINKER AFB, OK
 LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
46	TRACE	.08						
47	4.2	TRACE	.2	.0	.0	.0	.0	.0
48	3.7	.9	7.2	.0	.0	.0	.0	.0
49	3.4	.1	TRACE	TRACE	.0	.0	.0	.0
50	1.1	TRACE	TRACE	.0	.0	.0	.0	.0
51	2.1	2.0	TRACE	TRACE	.0	.0	.0	.0
52	2.1	2.0	TRACE	.0	.0	.0	.0	.0
53	1.1	TRACE	TRACE	.0	.0	.0	.0	.0
54	3.4	.0	1.8	.0	.0	.0	.0	.0
55	1.1	.2	1.7	.0	.0	.0	.0	.0
56	.1	1.3	TRACE	.0	.0	.0	.0	.0
57	.1	TRACE	TRACE	.2	.0	.0	.0	.0
58	3.6	1.1	5.1	.0	.0	.0	.0	.0
59	2.7	1.1	1.3	.0	.0	.0	.0	.0
60	2.1	1.3	1.4	.0	.0	.0	.0	.0
61	1.3	1.1	TRACE	.0	.0	.0	.0	.0
62	1.1	.1	.0	.0	.0	.0	.0	.0
63	TRACE	2.0	.0	.0	.0	.0	.0	.0
64	TRACE	TRACE	2.7	.0	.0	.0	.0	.0
65	2.7	1.3	.4	.0	.0	.0	.0	.0
66	1.1	1.3	.0	.0	.0	.0	.0	.0
67	TRACE	TRACE	1.0	.0	.0	.0	.0	.0
68	1.3	2.7	1.7	.0	.0	.0	.0	.0
69	TRACE	1.6	3.4	.0	.0	.0	.0	.0
70	1.3	TRACE	1.0	1.0	.0	.0	.0	.0
71	TRACE	2.0	.0	.0	.0	.0	.0	.0
72	TRACE	1.7	.0	.0	.0	.0	.0	.0
73	4.4	TRACE	.0	TRACE	.0	.0	.0	.0
74	.4	TRACE	.0	.0	.0	.0	.0	.0
75	TRACE	1.0	TRACE	TRACE	.0	.0	.0	.0
76	TRACE	.4	.0	.0	.0	.0	.0	.0
77	2.0	1.1	.0	.0	.0	.0	.0	.0
78	5.0	2.0	TRACE	.0	.0	.0	.0	.0
79	2.0	.9	.0	.0	.0	.0	.0	.0
80	TRACE	1.0	TRACE	.0	.0	.0	.0	.0

DAILY SNOWFALL AMOUNTS IN INCHES
 BY SUMMARY OF DAY DATA

STATION

PERIOD OF RECORD: 4601-3902
 MONTH: ALL HOURS: ALL

DAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1				.0	.0	.0	TRACE	TRACE*
2	.0	.0	.0	.0	.0	.0	.1	4.2
3	.0	.0	.0	.0	.0	.1	TRACE	7.2
4	.0	.0	.0	.0	.0	.0	.0	6.4
5	.0	.0	.0	.0	.0	2.1	.3	4.8
6	.0	.0	.0	.0	.0	2.0	TRACE	2.0
7	.0	.0	.0	.0	.0	TRACE	TRACE	2.1
8	.0	.0	.0	.0	.0	TRACE	TRACE	1.2
9	.0	.0	.0	.0	.0	.0	6.0	6.0
10	.0	.0	.0	.0	.0	1.1	TRACE	2.8
11	.0	.0	.0	.0	.0	.0	2.3	2.3
12	.0	.0	.0	.0	TRACE	TRACE	.0	.2
13	.0	.0	.0	.0	.0	1.2	4.2	6.0
14	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
15	.0	.0	.0	.0	.0	.0	2.0	5.1
16	.0	.0	.0	.0	.0	.0	TRACE	6.1
17	.0	.0	.0	.0	.0	TRACE	1.5	1.5
18	.0	.0	.0	.0	.0	.0	2.0	2.0
19	.0	.0	.0	.0	.0	.0	TRACE	2.7
20	.0	.0	.0	.0	.0	.0	TRACE	4.3
21	.0	.0	.0	.0	.0	.0	TRACE	3.0
22	.0	.0	.0	.0	TRACE	.6	.4	1.0
23	.0	.0	.0	.0	.0	TRACE	.2	3.7
24	.0	.0	.0	.0	.0	.0	6.0	6.0
25	.0	.0	.0	.0	.0	TRACE	.0	1.0
26	.0	.0	.0	.0	.0	.2	6.5	5.5
27	.0	.0	.0	.0	.0	4.6	1.2	4.8
28	.0	.0	.0	.0	.0	.0	.2	4.6
29	.0	.0	.0	.0	.0	1.0	3.0	3.0
30	.0	.0	.0	.0	.0	TRACE	2.7	2.7
31	.0	.0	.0	.0	.0	TRACE	TRACE	.4
32	.0	.0	.0	.0	.0	TRACE	.0	2.5
33	.0	.0	.0	.0	.0	.0	3.0	6.0
34	.0	.0	.0	.0	.0	TRACE	TRACE	6.9
35	.0	.0	.0	.0	.0	4.7	.0	4.7

OPERATING LOCATION: AAF
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723540 STATION NAME: TINKER AFB OK
LST TO UTC: +05

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	TRACE	.5	.0	.0	.0	.0	.0	.0
82	1.0	1.2	2.0	.0	.0	.0	.0	.0
83	3.0	4.0	TRACE	.0	.0	.0	.0	.0
84	1.0	.3	TRACE	.0	.0	.0	.0	.0
85	1.5	4.0	.0	.0	.0	.0	.0	.0
86	.0	5.0	TRACE	.0	.0	.0	.0	.0
87	0.0	.0	TRACE	.0	.0	.0	.0	.0
88	3.0	TRACE	.3	.0	.0	.0	.0	.0
89	3.7	TRACE						

GREATEST	3.0	5.0	5.7	1.0	.0	.0	.0	.0
TOTAL DYS	1364	1222	1302	1260	1302	1260	1302	1302

THE GREATEST VALUE OF 10.2 OCCURRED ON 12/14/77

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE

1. DAILY SNOWFALL AMOUNTS IN INCHES
 2. MONTHLY SUMMARY OF DAY DATA

AFB JK

PERIOD OF RECORD: 4601-8702
 MONTH: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	.0	.0	.0	.0	.0	.0	.0	TRACE	.5
2	.0	.0	.0	.0	.0	.0	TRACE	TRACE	2.0
3	.0	.0	.0	.0	.0	.0	TRACE	1.0	4.0
4	.0	.0	.0	.0	.0	.0	TRACE	3.0	3.9
5	.0	.0	.0	.0	.0	.0	1.0	.3	4.0
6	.0	.0	.0	.0	.0	.0	.0	TRACE	5.0
7	.0	.0	.0	.0	.0	.0	.3	10.2	10.2
8	.0	.0	.0	.0	.0	.0	1.0	1.0	3.0
									3.0*

9	.0	.0	.0	.0	.0	TRACE	4.7	10.2	10.2
10	1302	1260	1302	1302	1290	1333	1290	1333	15560

OCCURRED IN 12/14/87

MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 141
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF S
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: +06

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL
NONE	13.1	38.6	95.6	99.9	100.0	100.0	100.0
TRACE	4.2	4.2	1.3	.1			
1	3.7	3.1	.7				
2	2.2	1.5	.7				
3	2.5	1.1	.3				
4-6	2.5	1.5	.2				
7-12	.7	.2	.2				
13-24							
25-36							
37-48							
49-60							
61-120							
OVER 120							
DAYS WITH NO AS AMTS	12.7	7.2	2.2				
TOTAL NO. OF OBSERVATIONS	1461	1305	1391	1350	1395	1350	1395

1-24-74

MONTH: ALL HOURS: ALL

- 4 -

OPERATING LOCATION: TINKER AFB, MO
USAFETAC, ASH-VILLE, MO

EXTREME DAILY SNOW DEPTH AMOUNT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723540

STATION NAME: TINKER AFB, MO
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	A
43	0	0	4	0	0	0	0	
44	7	0	0	0	0	0	0	
45	0	3	4	0	0	0	0	
46	TRACE	0*						
47	4	0	0	0	0	0		
48	1	1	7	0	0	0	0	
49	1	7	0	0	0	0	0	
50	4	TRACE	TRACE	0	0	0	0	
51	TRACE	0	0	0	0	0	0	
52	0	1	0	0	0	0	0	
53	0	0	0	0	0	0	0	
54	0	0	TRACE	0	0	0	0	
55	0	0	0	0	0	0	0	
56	TRACE	1	0	0	0	0	0	
57	TRACE	0	TRACE	TRACE	0	0	0	
58	0	1	0	0	0	0	0	
59	0	1	TRACE	0	0	0	0	
60	0	0	0	0	0	0	0	
61	TRACE	4	TRACE	0	0	0	0	
62	0	1	1	0	0	0	0	
63	TRACE	0	0	0	0	0	0	
64	0	0	0	0	0	0	0	
65	4	1	0	0	0	0	0	
66	0	2	0	0	0	0	0	
67	0	0	1	0	0	0	0	
68	0	0	7	0	0	0	0	
69	0	TRACE	2	0	0	0	0	
70	0	0	0	0	0	0	0	
71	0	4	1	0	0	0	0	
72	TRACE	3	0	0	0	0	0	
73	0	TRACE	0	0	0	0	0	
74	TRACE	0	1	0	0	0	0	
75	TRACE	1	TRACE	0	0	0	0	

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM JANUARY 1 DAILY DATA

1958-59 APR 14

PERIOD OF RECORD: 4301-57 2
STATION: ALL HOURS: ALL

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4					0	0	0	0	TRACE
5				0	0	0	0	0	0
6				0	0	0	1	0	0
7				0	0	0	0	TRACE	0
8					0	0	0	1	0
9						0	0	TRACE	0
10						0	0	0	0
11						0	0	0	0
12						0	0	0	0
13						0	0	0	0
14						0	0	0	0
15						0	0	0	0
16						0	0	0	0
17						0	0	0	0
18						0	0	0	0
19						0	0	0	0
20						0	0	0	0
21						0	0	0	0
22						0	0	0	0
23						0	0	0	0
24						0	0	0	0
25						0	0	0	0
26						0	0	0	0
27						0	0	0	0
28						0	0	0	0
29						0	0	0	0
30						0	0	0	0
31						0	0	0	0
32						0	0	0	0
33						0	0	0	0
34						0	0	0	0
35						0	0	0	0
36						0	0	0	0
37						0	0	0	0
38						0	0	0	0
39						0	0	0	0
40						0	0	0	0
41						0	0	0	0
42						0	0	0	0
43						0	0	0	0
44						0	0	0	0
45						0	0	0	0
46						0	0	0	0
47						0	0	0	0
48						0	0	0	0
49						0	0	0	0
50						0	0	0	0
51						0	0	0	0
52						0	0	0	0
53						0	0	0	0
54						0	0	0	0
55						0	0	0	0
56						0	0	0	0
57						0	0	0	0
58						0	0	0	0
59						0	0	0	0
60						0	0	0	0
61						0	0	0	0
62						0	0	0	0
63						0	0	0	0
64						0	0	0	0
65						0	0	0	0
66						0	0	0	0
67						0	0	0	0
68						0	0	0	0
69						0	0	0	0
70						0	0	0	0
71						0	0	0	0
72						0	0	0	0
73						0	0	0	0
74						0	0	0	0
75						0	0	0	0
76						0	0	0	0
77						0	0	0	0
78						0	0	0	0
79						0	0	0	0
80						0	0	0	0
81						0	0	0	0
82						0	0	0	0
83						0	0	0	0
84						0	0	0	0
85						0	0	0	0
86						0	0	0	0
87						0	0	0	0
88						0	0	0	0
89						0	0	0	0
90						0	0	0	0
91						0	0	0	0
92						0	0	0	0
93						0	0	0	0
94						0	0	0	0
95						0	0	0	0
96						0	0	0	0
97						0	0	0	0
98						0	0	0	0
99						0	0	0	0
100						0	0	0	0

OPERATIONS LOCATION NAME
USAFSTAC, ANDREWS AFB

EXTREME DAILY SURFACE WINDS AND DIRECTION
FROM SUMMARY OF DATA

STATION NUMBER: 720647 STATION NAME: TIKER AFB TX
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
76	TRACE	TRACE	TRACE	0	0	0	0	0
77	0	TRACE	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0
79	0	7	0	0	0	0	0	0
80	0	3	TRACE	0	0	0	0	0
81	0	1	0	0	0	0	0	0
82	1	1	TRACE	0	0	0	0	0
83	0	3	0	0	0	0	0	0
84	0	TRACE	0	0	0	0	0	0
85	0	4	0	0	0	0	0	0
86	0	4	0	0	0	0	0	0
87	0	1	0	0	0	0	0	0
88	1	TRACE	TRACE	0	0	0	0	0
89	0	0	0	0	0	0	0	0

WINDS	1	7	7	TRACE	0	0	0	0
TOTAL	1941	1945	1941	1940	1945	1957	1904	1904

NO. OF DAYS WITH WINDS 12 OCCURRED ON 01/7/8

NOTE: WIND VALUE IS BASED ON A MONTHLY MEAN OF WINDS

PERIOD DAILY SNOW DEPTH AMOUNTS IN INCHES
 MONTH SUMMARY OF DAY DATA

APR 73

PERIOD OF RECORD: 4301-3902

MONTH: ALL HOURS: ALL

MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0	0	0	0	0	0	TRACE	0	TRACE
0	0	0	0	0	0	0	0	3
0	0	0	0	0	0	0	2	6
0	0	0	0	0	0	0	0	7
0	0	0	0	0	0	3	0	3
0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	2	3
0	0	0	0	0	0	0	4	4
0	0	0	0	0	0	0	4	4
0	0	0	0	0	0	0	0	4
0	0	0	0	0	0	1	0	7
0	0	0	0	0	0	1	1	12
								5*

0 0 0 0 0 3 6 12

1357 1395 1395 1330 1426 1390 1422 16640

RECORDED BY 01/07/45

IS LISTED AS FROM 0001 OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: A1
USAFETAG, ASH-VILLE, NC

FIRST AND LAST DAYS OF OCCURRENCE BY
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL
42 - 43			MAR 05	
43 - 44			JAN 01	
44 - 45			FEB 15	
45 - 46	JAN 12			JAN 21
46 - 47	DEC 30	JAN 02	JAN 02	MAR 14
47 - 48	DEC 31	DEC 31	JAN 01	MAR 11
48 - 49	NOV 29	NOV 19	NOV 21	APR 02
49 - 50	DEC 01	DEC 04	JAN 04	MAR 17
50 - 51	NOV 05	NOV 03	DEC 04	APR 01
51 - 52	NOV 21	NOV 01	NOV 02	MAR 26
52 - 53	NOV 23	JAN 16	JAN 17	MAR 03
53 - 54	NOV 04	JAN 10	JAN 11	MAR 30
54 - 55	DEC 12	DEC 12	DEC 22	MAR 04
55 - 56	NOV 30	NOV 30	DEC 01	MAR 10
56 - 57	DEC 07	DEC 09	DEC 09	APR 10
57 - 58	DEC 26	JAN 20	JAN 21	APR 17
58 - 59	NOV 27	NOV 22	NOV 23	MAR 21
59 - 60	NOV 08	JAN 05	JAN 06	MAR 12
60 - 61	DEC 04	DEC 10	DEC 11	MAR 31
61 - 62	DEC 01	JAN 08	JAN 08	FEB 01
62 - 63	NOV 17	DEC 24		FEB 24
63 - 64	DEC 11	DEC 11	DEC 12	MAR 26
64 - 65	DEC 03	JAN 09	JAN 10	APR 05
65 - 66	DEC 24	JAN 19	JAN 20	MAR 01
66 - 67	DEC 02	MAR 06	MAR 06	APR 07
67 - 68	DEC 30	NOV 02	FEB 13	MAR 20
68 - 69	NOV 26	DEC 27	NOV 28	MAR 24
69 - 70	DEC 24	DEC 24	DEC 24	APR 04
70 - 71	NOV 14	FEB 07	FEB 22	APR 02

AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION 34

PERIOD OF RECORD: 4301-1902
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
-----------------------------------	------------------	--------------------------------	----------------------------------

MAR 05			MAR 07
JAN 03			FEB 04
FEB 15			MAR 02

JAN 21

JAN 02	MAR 14	MAR 14	JAN 03
JAN 01	MAR 11	MAR 10	MAR 13
NOV 20	APR 02	FEB 14	FEB 03
JAN 04	MAR 12	JAN 03	JAN 05
DEC 04	APR 01	FEB 15	FEB 17

NOV 02	MAR 26	FEB 25	FEB 25
JAN 17	MAR 03	JAN 23	JAN 23
JAN 11	MAR 30	MAR 04	JAN 23
DEC 20	MAR 26	MAR 21	MAR 22
DEC 01	MAR 15	FEB 10	FEB 25

DEC 09	APR 12	APR 12	DEC 11
JAN 21	MAR 17	MAR 12	MAR 14
NOV 28	MAR 21	MAR 05	FEB 02
JAN 05	MAR 17	MAR 17	MAR 03
DEC 11	MAR 31	FEB 07	FEB 04

JAN 05	FEB 24	FEB 27	MAR 01
	FEB 25	FEB 25	
DEC 12	MAR 25	MAR 09	DEC 23
JAN 10	MAR 25	MAR 25	FEB 24
JAN 20	FEB 21	FEB 21	FEB 23

MAR 05	MAR 07	MAR 07	MAR 05
FEB 13	MAR 22	MAR 22	MAR 13
NOV 24	MAR 24	MAR 14	MAR 15
DEC 24	APR 04	APR 04	JAN 21
FEB 22	MAR 02	MAR 02	MAR 03

OPERATING LOCATION: 141
USARFAC, ASHEVILLE, NC

FIRST AND LAST DAYS OF OCCURRENCE BY
FROM SUMMARY OF DATA

STATION NUMBER: 723940

STATION NAME: TINKER AFB JK

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL
71 - 72	NOV 22	NOV 23	DEC 03	DEC 12
72 - 73	NOV 17	NOV 18	NOV 19	APR 09
73 - 74	DEC 04	DEC 19	DEC 20	MAY 11
74 - 75	NOV 24	NOV 29	NOV 30	APR 10
75 - 76	NOV 25	DEC 24		DEC 10
76 - 77	NOV 11	JAN 06	JAN 06	DEC 24
77 - 78	NOV 09	JAN 11	JAN 12	NOV 10
78 - 79	DEC 02	DEC 31	DEC 31	MAY 10
79 - 80	NOV 17	FEB 05	FEB 10	NOV 10
80 - 81	NOV 16	NOV 17	NOV 17	NOV 10
81 - 82	DEC 17	JAN 30	JAN 31	MAY 27
82 - 83	NOV 24	JAN 18	JAN 20	MAY 23
83 - 84	NOV 23	DEC 10	DEC 10	MAY 10
84 - 85	NOV 17	DEC 04	DEC 05	NOV 10
85 - 86	NOV 27	NOV 30	DEC 01	MAY 10
86 - 87	DEC 01	JAN 16	JAN 16	MAY 25
87 - 88	NOV 18	NOV 18	NOV 18	MAY 17
88 - 89	NOV 14	NOV 20	NOV 20	NOV 10
MEDIAN - 141	NOV 25	DEC 24	DEC 31	MAY 17

ST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

MAR 28 APR 06

PERIOD OF RECORD: 4301-8902
SNOW-YEAR: 1 AUG - 31 JUL

FIRST
MEASURABLE
SNOW DEPTH

LAST
SNOWFALL

LAST
MEASURABLE
SNOWFALL

LAST
MEASURABLE
SNOW DEPTH

DEC 03
NOV 19
DEC 20
NOV 30

FEB 12
APR 08
MAR 23
APR 02
FEB 05

FEB 11
JAN 07
MAR 20
FEB 16
FEB 05

FEB 13
JAN 15
MAR 21
FEB 06

JAN 06
JAN 12
DEC 31
FEB 09
NOV 17

FEB 26
MAR 08
FEB 17
MAR 02
FEB 17

FEB 26
FEB 20
FEB 06
FEB 04
FEB 10

JAN 12
FEB 22
FEB 11
FEB 10
FEB 11

JAN 31
JAN 23
DEC 20
DEC 06
DEC 01

MAR 27
MAR 23
MAR 13
FEB 04
MAR 01

MAR 27
FEB 04
FEB 26
FEB 04
FEB 10

FEB 12
FEB 06
JAN 23
FEB 01
FEB 13

JAN 1
NOV 19
NOV 27

MAR 20
MAR 17
FEB 27

FEB 17
MAR 06
JAN 14

FEB 17
JAN 13
JAN 17

DEC 31

MAR 17

FEB 26

FEB 11

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PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING THROUGH JUNE 1963, BUT IN JULY 1963, ALL STATIONS BY WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR A GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. A VALUE FOR A MONTH FOR WHICH LESS THAN 40% OF THE DAY ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE DAYS

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED FOR YEARS COMBINED, FOR ELEVEN WIND SPEED VALUES, INCLUDING CALM WINDS. IF THE PEAK WIND IS REPORTED AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. MEANS, MEDIAN, AND TOTAL OBSERVATION COUNTS. THEY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH DAY
- BY MONTH (ALL YEARS AND ALL YEARS COMBINED).
- BY YEAR (ALL YEARS AND ALL YEARS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT FREQUENCY (PDF) FOR ELEVEN WIND SPEED CATEGORIES AND DIRECTION GIVEN IN 30 DEGREE INCREMENTS. "WIND MAX" IS GIVEN SEPARATELY. CARDINAL WIND DIRECTION (N, S, E, W) TOTAL PERCENTAGES, MEANS, AND MEDIAN PERCENTAGES BY OBSERVATION COUNTS, ARE PRINTED AT THE END OF EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THIS IS

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 THE CEILING MUST BE GREATER THAN OR EQUAL TO 100 FT. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING OF WHEN THE CEILING IS GREATER THAN OR EQUAL TO 100 FT. IS GREATER THAN OR EQUAL TO 1/2 (500 FEET) OR L

CONVERSION: 1 KNOT = .514701 METERS PER SECOND

PART C

SURFACE WIND SUMMARIES

IF FILES ARE CREATED FROM SUMMARY OF DAY DATA, SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD IN JULY 1963, BUT IN JULY 1963, ALL STATIONS EXCEPT THOSE OF THE NATIONAL DATA SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA ARE GIVEN BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD DATES. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE SECOND HIGHEST MONTHLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE MAXIMUM WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN "X" INDICATES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PERCENT OCCURRENCE FREQUENCY.

FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS, FOR ELEVEN WIND SPEED CATEGORIES. THE 1-4 KNOT SPEED CATEGORY INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY, THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ARE FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND VS WIND SPEED-DEPENDENT OCCURRENCE FREQUENCY.

FILES ARE CREATED FROM DAILY OBSERVATIONS. THEY SUMMARIZE DATA AS FOLLOWS:

1. BY 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

2. BY MONTH (ALL YEARS AND ALL YEARS COMBINED).

3. BY YEAR (ALL YEARS AND ALL YEARS COMBINED).

4. HAVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY FOR ELEVEN WIND SPEED CATEGORIES VERSUS TWELVE WIND DIRECTION SECTORS IN 30-DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE REPORTED SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REPORTING. MEANS, PERCENTS, AND MEDIAN FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

5. HAVE A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED WITH CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

1. VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (800 METERS)
2. CEILING MUST BE GREATER THAN OR EQUAL TO 100 FEET BUT LESS THAN 1500 FEET.
IF EITHER CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED:
3. IF CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION: TAF
JCAFFTAC, ASHVILLE, NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723649

STATION NAME: TINKER AFB, OK

LSI TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
47		W 53	N 50	SSE 54	WSW 49	SSE 42	N 38	SE 32
48	W 30	SSE 47	SW 47	SSE 49	SSE 32	SSW 50	SE 35	SE 30
49	S 43	S 45	SSE 49	ESE 47	SE 55	SSE 47	S 45	SSW 44
50	S 47	SSW 47	SSW 55	SSE 54	SE 52	W 52	S 40	W 35
51	SSW 53	S 45	WSW 54	SSE 57	WSW 47	SSW 47	W 42	WSW 34
52	SSW 46	WSW 50	WSW 52	SSE 49	WSW 52	SSW 42	W 42	SSW 39
53	S 47	S 55	SSE 49	SSE 55	S 54	W 44	W 42	W 37
54	SSW 49	SSW 55	SSW 54	SSE 49	WSW 4	SSW 41	SSW 45	WSW 44
55	W 54	SSW 50	N 45	SSW 55	SSW 43	SSW 47	SSW 40	SSW 35
56	W 37	SSW 55	S 57	SW 50	S 47	W 41	W 44	W 37
57	W 46	S 47	SSW 49	SSE 45	WSW 34	SSW 47	W 42	W 37
58	WSW 48	S 45	SSW 33	SSE 50	S 4	W 43	SSW 32	W 30
59	W 30	WSW 37	WSW 45	WSW 42	WSW 73	W 30	W 37	W 31
60	W 43	W 45	S 45	WSW 53	W 47	W 42	W 40	W 34
61	WSW 39	W 39	SSW 41	WSW 42	WSW 44	WSW 42	WSW 42	W 35
62	W 45	W 37	SSW 35	W 35	S 35	SSW 40	W 37	W 30
63	W 47	WSW 34	SSW 35	W 40	WSW 44	W 44	WSW 40	W 35
64	S 47	WSW 47	W 45	WSW 45	SSW 42	S 34	SSW 33	W 31
65	W 44	W 47	W 46	WSW 40	SSE 47	WSW 40	W 44	W 40
66	W 47	WSW 31	WSW 43	SSW 32	SSW 31	S 33	SSW 37	W 30
67	W 41	W 41	S 43	S 37	S 35	W 37	W 30	W 25
68	W 40	W 41	S 42	W 45	S 44	W 33	W 30	W 25
69	WSW 37	WSW 37	SSW 39	WSW 40	SSW 50	WSW 45	WSW 35	W 25
70	WSW 30	WSW 37	SSW 30	SSW 42	WSW 33	WSW 40	WSW 34	W 25
71	WSW 35	WSW 41	SSW 44	SSW 44	WSW 45	WSW 50	WSW 30	WSW 30
72	WSW 30	WSW 40	SSW 45	SSW 55	WSW 35	WSW 42	WSW 37	WSW 30
73	WSW 42	SSW 35	SSW 59	SSW 44	SSW 40	WSW 47	WSW 35	WSW 30
74	WSW 37	SSW 37	SSW 40	SSW 45	SSW 42	WSW 30	WSW 25	WSW 30
75	WSW 45	WSW 40	SSW 40	SSW 37	WSW 42	WSW 47	WSW 20	WSW 20
76	WSW 37	WSW 47	SSW 41	WSW 35	WSW 39	WSW 40	WSW 34	WSW 30
77	SSW 35	SSW 42	WSW 45	WSW 30	WSW 40	WSW 40	WSW 35	WSW 25
78	WSW 41	SSW 40	WSW 35	WSW 50	WSW 42	WSW 52	WSW 41	WSW 30
79	WSW 44	WSW 42	SSW 45	SSW 42	WSW 41	WSW 40	WSW 30	WSW 30
80	WSW 44	WSW 30	SSW 35	WSW 43	WSW 34	WSW 30	WSW 28	WSW 30

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION: TINKER AFB OK
C: +06

PERIOD OF RECORD: 4702-6992
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
SSW 54	SSW*49	SSW 42	*	SE 33	SSW 49	N 36	NW 45	S 39	SSW*54
SSW 49	SSW 52	SSW 50	SE 35	SE 30	SSW 38	SSW 44	NW 49	SW 54	SW 57
SSW 47	SE 56	SSW 47	S 46	SSW 44	NW 46	SSW 46	NW 39	N 50	SE 56
SSW 56	SSW 62	NW 52	SE 40	N 35	SE 34	SE 45	NW 47	NW 47	SSW 62
SSW 57	NW 49	SSW 55	NW 51	NW 34	NW 32	SSW 54	SSW 47	SSW 52	SSW 65
SSW 49	NW 52	SSW 52	N 52	SSW 39	N 40	S 41	NW 40	SSW 37	NW 52
SSW 56	S 54	NW 56	N 51	S 50	NW 40	SSW 35	SSW 41	SSW 43	S 53
SSW 49	NW 43	SSW 51	NW 45	NW 44	SE 49	N 49	SSW 44	NW 40	NW 54
SSW 55	SSW*43	SSW 46	SSW 40	ENE 56	NW*35	SSW*35	NW 39	SSW 35	SSW*56
SSW 50	S 49	N 41	SE 43	SE 39	SE 42	SSW 54	SSW 45	SSW 43	S *57
SSW 45	SSW 54	SSW 47	SE 35	SSW 22	N 30	SE 35	NW 40	S 43	SSW*54
SSW 50	S 40	N 43	SSW 70	ENE 36	N 39	SSW 34	SSW 54	S 31	SSW 70
SSW 42	SSW 72	N 30	S 37	NW 31	N 34	S 32	NW 42	NW 36	SSW 72
SSW 53	N 47	N 55	SW 58	N 34	SE 32	SSW 35	SSW 33	NW 40	ENE 63
SSW 42	NW 44	SSW 43	NW 42	N 35	N 43	S *33	SSW*39	NW*44	NW *44
SSW 36	S 50	SSW 45	N 29	S 25	N 35	NW *26	SSW 31	S 29	S *60
SSW *40	NW *44	N 44	*44	N *35	N *33	S 34	SSW*34	N 37	NW *44
SSW 45	SSW 42	S 34	SSW 33	N 51	S 33	NW 35	S 31	S 41	N 51
SSW 40	SSW 47	SSW*40	SSW 34	SSW *45	SSW*42	S *34	SSW 45	S *33	SSW*47
SSW 52	SSW 41	S 33	SSW 27	N 52	NW 37	S 43	SSW 43	SSW 40	N *62
SSW 37	S 35	S 37	SSW 22	SSW 23	S 30	N 45	N 29	SSW 45	SSW 45
SSW 45	S 44	S 39	14/ 42	19/ 30	24/ 31	24/ 54	33/ 35	23/ 50	34/ 54
19/ 40	32/ 50	21/ 46	21/ 26	14/ 35	19/ 30	34/ 34	14/ 39	34/ 47	32/ 50
22/ 42	24/ 39	17/ 40	20/ 34	20/ 33	23/ 31	19/ 32	01/ 34	24/ 40	22/ 42
17/ 44	35/ 45	21/ 55	21/ 25	22/ 39	13/ 33	27/ 39	31/ 32	24/ 41	01/ 55
33/ 55	25/ 35	15/ 72	06/ 17	29/ 40	13/ 33	35/ 31	20/ 40	27/ 39	15/ 72
22/ 44	29/ 45	24/ 47	26/ 34	22/ 35	33/ 41	17/ 34	21/ 39	35/ 32	29/ 45
13/ 45	33/ 42	19/ 30	19/ 26	06/ 32	08/ 30	20/ 34	35/ 33	33/ 40	23/ 45
33/ 37	25/ 42	24/ 47	24/ 29	21/ 32	33/ 30	20/ 30	25/ 44	34/ 34	24/ 47
10/ 35	21/ 39	24/ 40	13/ 34	15/ 40	36/ 24	15/ 30	21/ 35	02/ 34	35/ 47
15/ 31	16/ 40	33/ 40	09/ 23	14/ 23	19/ 40	19/ 42	16/ 35	23/ 41	23/ 41
12/ 50	24/ 42	34/ 50	03/ 41	13/ 32	17/ 34	20/ 32	26/ 48	17/ 37	34/ 52
22/ 42	17/ 41	35/ 49	30/ 33	34/ 57	36/ 37	02/ 43	15/ 35	01/ 37	34/ 57
34/ 43	07/ 34	01/ 53	22/ 28	19/ 30	33/ 33	13/ 33	13/ 29	03/ 40	01/ 53

OPERATING LOCATION: AS
ISABETAS, ASHVILLE NC

PEAK SURFACE WINDS IN KNOTS
WIND SUMMARY BY DAY DATA

STATION NUMBER: 703540 STATION NAME: LINKER AFB NC
LST TO UTC: +06

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
81	35/ 39	36/ 42	35/ 42	29/ 42	34/ 35	19/ 33	21/ 29	26/ 37
82	27/ 41	17/ 25	17/ 33	27/ 32	17/ 42	20/ 47	34/ 51	21/ 25
83	22/ 25	32/ 36	24/ 30	35/ 49	26/ 32	18/ 43	34/ 53	18/ 25
84	24/ 27	21/ 40	36/ 44	25/ 50	26/ 41	30/ 43	21/ 25	21/ 42
85	23/ 41	21/ 31	31/ 41	35/ 42	25/ 37	21/ 3	25/ 42	21/ 34
86	11/ 24	17/ 25	11/ 45	24/ 31	30/ 34	33/ 37	10/ 35	1/ 25
87	17/ 2	22/ 41	23/ 41	32/ 33	14/ 32	3/ 3	34/ 43	10/ 25
88	12/ 27	22/ 37	36/ 39	33/ 24	25/ 42	12/ 32	13/ 27	25/ 25
89	23/ 2	31/ 35						

STATIST	285	225	38	31	354	65	454	74	157	72	55	7	5	22
TOTAL OBS	1172	1127	1270	1243	1254	1239	1262	1275						

THE DAY WIND OF 47 FROM SW OCCURRED ON 03/20/49

NOTE: WIND VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA
IF THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA

AD-A211 160

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR

2/8

LINKER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

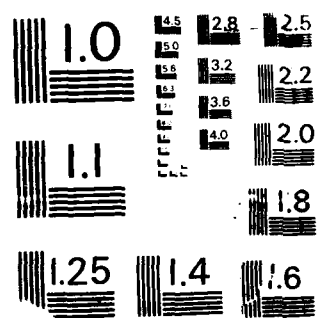
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL JUN 89

UNCLASSIFIED

USAFETAC/DS-89/207

F/G 4/2

NL



PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION: TINKER AFB OK
ELEV: 1000

PERIOD OF RECORD: 4702-5902
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
07/ 42	34/ 35	19/ 39	21/ 29	06/ 37	02/ 30	13/ 41	24/ 37	02/ 39	34/ 42
27/ 72	17/ 42	20/ 47	34/ 28	21/ 28	13/ 36	19/ 38	30/ 40	16/ 38	27/ 52
7/ 43	26/ 33	18/ 43	34/ 53	16/ 35	34/ 52	20/ 38	35/ 51	35/ 33	34/ 53
27/ 50	06/ 41	35/ 43	21/ 23	01/ 43	22/ 37	25/ 45	34/ 42	01/ 42	25/ 50
7/ 42	25/ 37	01/ 30	05/ 32	01/ 34	30/ 41	19/ 35	18/ 37	34/ 35	36/ 42
7/ 37	30/ 54	33/ 37	20/ 38	01/ 35	25/ 47	35/ 37	01/ 37	32/ 27	30/ 54
7/ 33	14/ 32	35/ 31	34/ 40	17/ 25	30/ 34	13/ 34	24/ 45	31/ 34	24/ 45
7/ 24	25/ 42	12/ 32	13/ 37	25/ 29	25/ 44	17/ 34	23/ 47	20/ 35	23/ 47
									23/*35

7/ 55 WSW 74 16/ 72 SSW 70 W 62 NW 62 SSW 54 WSW 54 SW 54 SW 57

1243 1269 1239 1252 1285 1227 1263 1238 1285 15041

W SW OCCURRED ON 03/20/48

IN A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: MAI
USASTIAC, ADAMSVILLE

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY P
FROM SUMMARY OF 147 DAYS

STATION NO: 220840 STATION NAME: TINKER AFB MO
EST TO UTC: +06

.....									
4140 SEP-25 14 40Z TS									
MONTH	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
JAN	0.0	1.7	14.3	20.0	25.0	16.7	10.0	4.3	0.0
FEB	0.0	0.7	10.2	21.0	24.4	17.2	12.3	7.6	0.0
MAR	0.0	0.3	6.1	14.5	22.3	18.4	17.6	12.5	0.0
APR	0.0	0.4	6.9	14.6	20.0	20.3	19.0	11.2	0.0
MAY	0.1	0.6	11.3	20.3	22.2	18.9	10.1	7.8	0.0
JUN	0.0	0.3	12.3	22.5	23.3	19.1	10.1	4.7	0.0
JUL	0.0	1.2	18.2	31.2	21.2	12.0	7.6	0.7	0.0
AUG	0.0	1.0	17.7	31.2	20.6	14.0	7.1	8.0	0.0
SEP	0.1	2.2	18.2	26.2	24.7	10.2	0.0	1.0	0.0
OCT	0.0	2.1	19.2	21.7	28.6	14.4	11.3	4.7	0.0
NOV	0.0	1.1	12.5	20.7	23.3	20.2	10.1	8.0	0.0
DEC	0.0	2.2	13.4	20.9	22.5	18.8	10.0	8.3	0.0
ANNUAL	0.0	1.2	12.7	22.0	24.6	16.0	11.9	6.7	0.0
.....									

OF FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

NUMBER 34

PERIOD OF RECORD: 4702-8302
MONTH: ALL HOURS: ALL

WIND SPEEDS IN KNOTS							MEAN	MEDIAN	TOTAL
20-24	25-29	30-34	35-39	40-49	50-54	55-59	WIND	WIND	CSS
25.0	16.7	10.3	3.3	3.7	.1	.0	23.2	22.0	1272
24.4	17.2	10.3	7.5	5.1	.0	.0	24.3	23.0	1198
22.5	14.4	17.5	12.5	7.3	.6	.2	27.0	26.0	1270
20.2	20.3	16.7	10.5	10.1	1.3	.1	27.3	25.0	1243
22.2	16.4	12.1	7.5	6.7	.3	.1	26.7	23.0	1269
23.3	16.1	12.1	6.7	4.7	.7	.2	23.6	23.0	1239
21.6	12.2	7.4	2.7	1.6	.4	.1	21.1	20.0	1252
18.6	12.7	3.1	3.0	.9	.5	.0	20.5	20.0	1255
24.7	16.2	11.3	2.9	1.7	.2	.0	21.0	20.0	1227
25.5	16.4	11.3	4.1	1.7	.3	.0	22.1	21.0	1263
25.4	20.3	12.1	6.5	3.2	.2	.0	23.3	23.0	1235
22.5	16.5	12.4	5.3	3.6	.3	.0	23.3	23.0	1245
24.4	16.9	11.4	6.5	4.2	.5	.1	23.5	22.0	15041

OPERATING LOCATION: WAW
USAFRIAD, AFB-VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND DIRECTION
FROM 4100-5100 HOURS

STATION NUMBER: 703-40

STATION NAME: LINER AFB BK
LST TO HIC: + 6

DATE: 10/10/50
TIME: 10:00

DIRECTION (7-5-110)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(1) 350-010	2.2	7.7	5.2	2.9	1.0					
020-040	1.7	3.3	2.3	.9	.3		.1			
050-070	1.1	3.4	.3							
(2) 080-1	1.0	.4								
110-120	1.0	1.0								
140-150	1.	1.0	.	.2						
(3) 170-180	1.	5.0	2.5	2.0	.4					
200-220	3.1	6.2	3.0	.9	.1					
230-240	.	1.0	.3							
(4) 250-270	1.0	.0								
280-310	1.0	.4	.							
320-340	2.4	2.2	1.0	.9						
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	22.1	35.5	22.7	3.1	1.		.1			

TOTAL NUMBER OF OBSERVATIONS: 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WATER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN HOURS: 00-02

WIND SPEED IN KNOTS							TOTAL N	MEAN WIND	MEDIAN WIND
00-04	05-09	10-14	15-19	20-24	25-29	30-34			
1.0							19.7	9.7	9.0
.3		.1					3.5	9.0	8.0
							4.5	5.2	6.0
							2.0	3.3	3.0
							3.2	4.7	4.5
							4.	5.9	6.0
.4							17.1	10.1	10.0
.1							14.5	7.4	6.0
							2.9	5.1	5.0
							1.3	4.1	4.0
							2.7	4.5	3.0
							5.0	5.5	5.0
////////////////////////////////////							11.5	////////////////////////////////	
1.1		.1					100.0	7.1	7.0
TOTAL OBSERVATIONS 900									

OPERATING LOCATION NAME
JSAFETAC, AFB VILLAGE

PERCENTAGE FREQUENCY OF OCCURRING SURFACE WINDS
FROM 4 JULY 1953 TO 11 AUG 1953

STATION NUMBER: 32440

STATION NAME: TUCKER AFB
EST. TO UTC: + 6

PERIOD
11/1/53 - 11/1/53

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45+
(1) 000-010	1.2	1.0	7.0	3.1	.3	.1				
020-030	1.3	3.4	2.4	1.1	.3					
040-050	.5	1.3	.4							
(1) 060-070	1.7	.4								
080-090	1.0	1.4	.2							
100-110	1.1	1.3	.4	.1						
(5) 120-130	2.4	6.3	6.7	2.3	.5					
140-150	1.0	5.1	3.2	1.0						
160-170	1.1	1.7	.5							
(4) 180-190	.3	1.6	.2	.1						
200-210	1.0	.5	.1							
220-230	2.2	2.4	1.1	.5	.1					
VARIABLE										
CALC. //////////////////////////////////////										
TOTALS	24.1	36.7	21.9	1.3	1.2	.1				
TOTAL NUMBER OF OBSERVATIONS: 25										

NOY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 77 - FEB 82
 MONTH: JAN HOURS: 03-05

WIND IN KNOTS						TOTAL	MEAN	MEDIAN
20-29	30-34	35-39	40-49	50-64	65-69	%	WIND	WIND
.1						21.7	9.5	9.0
						9.0	9.3	9.0
						3.2	6.2	7.0
						2.2	3.5	3.0
						3.5	4.8	4.0
						4.3	5.4	4.0
						17.1	10.0	10.0
						14.1	7.3	6.0
						3.4	6.3	7.0
						2.6	6.2	6.0
						3.3	4.1	3.0
						6.5	7.2	6.0
						5.9	7.3	7.0
.1						100.0	7.3	7.0
OBSERVATIONS								

OPERATING LOCATION: WAM
ISA-PLAC, ANNAPOLIS

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND
FROM ALL OBSERVATIONS

STATION NAME: 734540

STATION NAME: LINCOLN AFB TX
EST TO UTC: + 5

DATE:
TIME:

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-40
(N) 350-010		5.0	7.4	2.6	3.3	.2	.1		
020-040		.5	2.0	2.4	.3	.3			
050-070		.5	1.7	.1					
(E) 080-100		1.1	.2						
110-130		1.3	2.4						
140-160		1.7	2.0	.6					
(S) 170-190		3.4	5.1	6.5	1.7	.2	.1		
200-220		4.3	2.0	2.4	.3	.1			
230-250		1.3	2.5	.5					
(W) 260-280		1.1	1.9	.1					
290-310		1.3	.5	.2	.1	.1			
320-340		2.7	4.3	2.7	.2				
VARIABLE									
CALC		////////////////////////////////////							
TOTALS		21.1	31.3	24.3	7.3	.9	.2		
		TOTAL NUMBER OF OBSERVATIONS 210							

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 18

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN HOURS: 06-03

WIND SPEED IN KNOTS

10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
.2	.1									22.4	9.8	10.0
.3										6.6	9.4	9.0
										2.6	7.1	7.0
										1.9	4.6	4.0
										3.3	5.1	5.0
										3.7	5.2	5.0
.2	.1									16.9	10.2	10.0
.1										14.6	7.3	6.0
										4.4	5.3	5.0
										3.1	5.4	6.0
.1										2.6	5.9	4.0
										9.2	7.3	7.0
////////////////////////////////////										8.7	////////////////////////////////////	
.4	.2									100.0	7.6	6.0

OF OBSERVATIONS 930

OPERATING LOCATION: WAW
 USABTAC, AFB-VILL

PERCENTAGE FREQUENCY OF HIGH-LEVEL GUSTS, 41
 FROM 1 JULY 1960 TO 1 JULY 1961

STATION NUMBER: 700040

STATION NAME: TINKER ARB
 EST TO UTC: +6

UNIT: 1000
 TIME: 1000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						
	1-4	5-9	10-14	15-19	20-24	25-29	30-34
(N) 350-010	1.3	6.5	2.7	4.6	.5	.1	
020-040	.1	2.2	3.5	1.7	.1		
050-070	1.5	1.3	1.2	.1			
(E) 080-110	.5	1.1	.2				
110-140	.5	1.3	.2				
140-170	.5	1.7	1.3				
(S) 170-200	.5	4.1	5.5	3.5	.2		
200-230	1.7	4.1	5.6	2.4	.5	.2	
230-260	.5	1.4	1.4	.5	.1		
(W) 260-290	.5	1.4	.2				
290-320	.1	1.2	.5	.1			
320-350	1.5	4.5	3.1	.5	.4	.1	
VA 1400							
DATA	////////////////////////////////////						
TOTALS	12.7	33.5	32.7	13.5	2.5	.4	
TOTAL DURATION OF OBSERVATION: 900							

ANALYSIS OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED ONLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: JAN HOURS: 00-11

WIND IN KNOTS

0-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
										WIND	WIND
.1									23.0	10.5	10.0
									9.4	10.5	10.0
									6.5	7.1	7.5
									1.3	6.5	6.0
									2.2	5.1	6.0
									5.4	7.5	6.0
									15.1	11.7	11.0
.2									14.7	10.7	10.0
									5.5	6.5	6.0
									2.5	6.1	6.0
									1.4	6.1	6.0
.4									10.5	6.1	6.0
									4.2		
.6									100.0	9.5	10.0

INSTALLING 000

OPERATING LOGSHEET, WAM
HSAALAC, SAN VITO, AT

PERCENTAGE FREQUENCY OF OCCURRENCE OF WIND
DURING PERIOD 0000-0000

STATION NO: 72040

STATION NAME: TUCKER AFS, TX
ELEV TO MTD: + 5

2-1
2-1

		WIND SPEED IN KNOTS						
		1-4	5-9	10-14	15-19	20-24	25-29	30-34
		(0000-0000)						
(4)	050-01	.1	1.1	13.1	3.4	.9		
	120-02	1.5	2.7	2.7	2.2		.1	
	130-07	.1	1.4	.7	.3			
(1)	140-10	.5	1.8	.1				
	110-11	.7	.8	.1				
	140-16	.1	1.7	.8	.1			
(3)	170-1	.1	1.1	1.1	2.2	1.1		
	210-22	.1	1.1	1.1	1.1	1.1	.1	
	230-25	1.5	1.9	1.1	1.1	.1	.1	
(4)	240-2	.1	1.1	1.1	.1			
	200-31	1.1	.7	.1				
	220-33	.1	2.7	1.1	1.1	.1		
GRAND TOTAL		17.5	3.1	18.4	14.3	4.0	.1	

TOTAL NUMBER OF OBSERVATIONS 240

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AFEX 0K

PERIOD OF RECORD: 142 72 - FEB 49
MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
0-24	25-29	30-34	35-39	40-49	50-54	GE 55	%	WIND	WIND
.....	23.8	10.5	10.5
.....	10.1	9.3	9.0
.....	3.5	7.3	7.0
.....	2.2	7.3	8.0
.....	1.1	7.7	8.0
.....	2.4	8.1	7.0
1.1	13.2	11.7	12.0
1.2	14.7	12.5	12.0
.....	7.4	10.3	11.0
.....	4.3	8.1	8.0
.....	2.0	5.5	4.0
.....	10.9	9.3	8.0
.....							2.4	.....	.....
.....	100.0	10.1	10.0
OF OBSERVATIONS (33)							.....	.....	.....

OPERATING LOCATION: MAW
 USAFETAC, ASHLVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE: SURFACE WIND
 FROM ALL OBSERVATIONS

STATION NUMBER: 72240

STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

251700
 72240

DIRECTION (0-360)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(4) 350-010	2.1	1.2	2.5	3.1	1.0					
020-040	1.2	2.4	2.5	1.5	.5	.2				
050-070	1.3	1.5	.9							
(5) 080-100	1.1	1.1	.5							
110-130	.4	1.2	.5	.1						
140-160	.6	1.3	.4	.1						
(6) 170-190	.5	4.1	5.2	3.1	.4					
200-220	1.1	3.2	5.2	2.4	1.0					
230-250	1.3	1.3	1.5	.7	.1					
(7) 260-280	1.5	1.2	1.2	.4	.1					
290-310	.7	1.0	.2	.4						
320-340	2.2	4.7	5.2	1.1	.3	.1				
.....										
VARIABLE										
.....										
CALC //////////////////////////////////////////////////////////////////////////////////////////////////////////////////										
.....										
TOTAL	10.5	32.4	32.0	12.5	3.2	.3				
.....										
TOTAL NUMBER OF OBSERVATIONS 507										
.....										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 04

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JAN HOURS: 15-17

.....							TOTAL %	MEAN WIND	MEDIAN WIND
WIND SPEED IN KNOTS									
0-4	5-9	10-14	15-19	20-24	25-29	30-34			
.....							23.9	9.8	10.0
0.0							8.2	11.4	11.5
0.5	.2						3.9	6.6	6.6
							2.5	5.6	5.0
							2.0	6.9	7.0
							2.3	7.6	7.0
1.0							15.1	11.4	12.0
1.5							13.7	11.6	11.0
2.0							6.1	8.6	8.0
2.5							4.7	8.1	8.0
3.0							2.5	7.6	7.0
3.5	.1						11.0	8.6	7.0
.....									
////////////////////////////////////							3.3	////////////////////////////////	
4.0	.3						100.0	7.4	10.0
OF OBSERVATIONS 930									
.....									

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 702840

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

REPORT
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 350-010	6.7	6.4	5.5	2.7	.5					
020-040	2.7	1.7	2.0	1.1		.3				
050-070	1.0	.3	.7							
(E) 080-100	2.2	1.0	.1							
110-130	1.3	1.0	.1	.1						
140-160	.7	1.4	.5	.1						
(S) 170-190	2.7	1.5	2.3	1.3	.5					
200-220	2.5	6.9	1.3	.2	.1					
230-250	1.1	1.7								
(S) 260-280	1.1	.4	.1							
290-310	.7	.4	.4	.1						
320-340	2.1	2.3	1.3	.4	.1					
.....										
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	24.4	33.2	20.7	6.5	1.5	.3				
.....										
TOTAL NUMBER OF OBSERVATIONS 231										
.....										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN HOURS: 18-20

WIND SPEED IN KNOTS

10-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL Σ	MEAN WIND	MEDIAN WIND
.5							24.6	3.5	2.0
	.3						9.6	3.2	3.0
							3.5	4.3	4.0
							4.1	3.0	3.0
							3.1	4.7	4.0
							2.5	5.9	6.0
.1							21.5	3.4	3.0
.1							2.4	5.9	6.5
							3.5	4.6	4.0
							2.2	3.5	3.0
							1.8	6.5	5.0
.1							6.9	5.8	6.0
							9.0		
1.5	.3						100.0	7.0	7.0

NO OF OBSERVATIONS 930

OPERATING LOCATION: WAM
USAFETAC, ASCEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						
	1-4	5-9	10-14	15-19	20-24	25-29	30-34
(N) 350-010	4.7	6.5	5.9	2.9	.3	.2	
020-040	1.7	3.1	2.6	1.0	.4	.2	
050-070	1.7	1.9	.5				
(E) 080-100	1.4	1.5					
110-130	2.3	.9	.1				
140-160	1.7	1.0	.5	.1	.1		
(S) 170-190	7.3	4.9	9.7	2.9	.6		
200-220	7.4	5.7	1.5	.5	.1		
230-250	1.7	1.1	.4				
(W) 260-280	1.5	1.1	.2	.1			
290-310	1.0	.2	.7	.3			
320-340	1.5	1.2	1.2	.1			
VARIABLE							
CALC	////////////////////						
TOTALS	24.7	30.1	23.9	3.0	1.5	.9	

TOTAL NUMBER OF OBSERVATIONS 430

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

AFK JK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: JAN HOURS: 21-23

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
24	25-29	30-34	35-39	40-49	50-64	GE 65		
.3	.2						21.3	9.2
.4	.2						9.2	10.0
							4.4	5.8
							3.3	4.0
							3.2	4.3
.1							4.2	5.4
.7							20.4	10.7
.1							10.4	7.4
							2.7	5.8
							3.0	5.0
							1.7	7.4
							4.1	5.7
////////////////////						11.9	////////////////	
.7	.2						100.0	7.3

HOURLY OBSERVATIONS 930

OPERATING LOCATION: "AM"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DIRECTIONAL OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

DESIGNATION
MONTH: J

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29
(N) 350-010	2.6	7.4	7.7	3.3	.6	.1
020-040	1.4	3.0	2.7	1.2	.3	.1
050-070	1.2	1.2	.7	.1		
(E) 080-100	1.6	1.0	.1			
110-140	1.3	1.2	.2	.0		
150-180	1.0	1.0	.0	.1	.0	
(S) 170-190	1.0	0.2	7.0	2.7	.0	.0
200-220	2.2	0.1	3.0	1.8	.4	.1
230-250	1.3	0.0	.0	.3	.1	.0
(4) 260-280	1.1	1.3	.4	.1	.0	
290-310	1.2	.7	.4	.1	.0	
320-340	2.2	3.2	2.1	.0	.2	.0
.....						
VARIABLE						
.....						
DATA	////////////////////////////////////					
TOTALS	20.0	33.6	25.5	10.0	2.2	.3

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

LAKE ARB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN HOURS: ALL

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
.6	.1						22.6	9.7	10.0
.3	.1	.0					3.7	8.9	9.0
							3.8	6.6	6.0
							2.5	4.7	4.0
							2.7	6.2	6.0
.0							3.3	6.7	6.0
.0	.0						17.2	10.5	10.0
.4	.1						13.4	9.1	9.0
.1	.0						4.5	7.5	7.0
.0							3.0	6.3	6.0
.0							2.3	6.0	6.0
.0	.0						0.4	3.0	7.0
////////////////////////////////////							7.5	////////////////////////////////	
2.2	.3						109.0	8.2	8.0

OF OBSERVATIONS 7440

OPERATING LOCATION: "A"
USAFSTAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: LINCOLN AFB TX
LST TO UTC: + 6

PERIOD:
MONTH:

CATEGORY A: WINDS OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MI.
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800 M)

	WIND SPEED IN KNOTS					
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29
(DEGREES)	30-34	35-39	40-44			
(N) 350-110	1.6	7.7	13.5	7.9	1.3	.1
120-140	1.7	2.9	3.9	2.6	.4	
160-170	1.1	2.4	.7	.2		
(E) 090-130	2.3	2.5	.2			
110-130	1.6	1.3	.1			
140-150	.7	2.6	1.2			
(S) 170-190	1.2	2.3	5.5	3.4	1.2	.1
200-220	1.1	3.2	1.7	.7		
230-250	.7	.5	.1			
(W) 280-310	.5	.3	.1			
300-310	.4	.1	.1			
320-340	1.1	3.6	2.4	.3		.1

VARIABLE

CALM

TOTALS

13.7 31.3 30.6 15.1 2.9 .3

TOTAL NUMBER OF OBSERVATIONS 964

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AFB, OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JAN HOURS: ALL

200 FEET WITH VISIBILITY OF 1/2 MILE (800 METERS).

FEET) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	TOTAL	MEAN	MEDIAN
											WIND	WIND
1.3	.1									32.1	11.8	12.0
										11.5	11.0	12.0
										4.4	7.1	6.5
										5.0	4.3	5.0
										2.9	4.7	4.5
										4.8	7.4	7.0
1.2	.1									15.4	11.9	12.0
										5.4	8.4	8.0
										1.1	5.1	5.0
										1.0	4.3	4.0
										.6	5.7	4.0
	.1									7.8	9.3	9.0
										5.6		
1.9	.3									100.0	9.4	10.0
										954		

OPERATING LOCATION: WAM
USAFETAG, ACHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB, OK
EST TO UTC: + 6

DATE:
TIME:

DIRECTION (9-3-5756)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	3.3	7.1	7.7	2.2	1.1	.2			
020-040	.3	7.1	2.7	.4	.1	.1			
050-070	.7	1.3	.2						
(E) 080-100	1.1	.7	.5						
110-130	1.3	2.2	.1						
140-160	1.1	2.2	.3						
(S) 170-190	1.1	1.1	1.2	2.1	.6				
200-220	1.1	1.2	2.1	.5	.4				
230-250	.4	1.1	.2	.1					
(W) 260-280	.7	.4							
290-310	.5	.4	.2	.4					
320-340	2.4	1.2	.7	.5	.7				
VARIABLE									
ONLY	////////////////////////////////////								
TOTALS	19.7	22.8	22.1	5.3	2.5	.3			
TOTAL NUMBER OF OBSERVATIONS 649									

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 016

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: FEB HOURS: 00-02

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	65-69	TOTAL	MEAN WIND	MEDIAN WIND
1.1	.2						21.5	10.1	10.0
.1	.1						11.3	5.2	7.0
							2.2	5.1	1.0
							2.2	5.5	5.0
							3.7	5.3	5.0
							5.7	5.7	1.0
.5							21.5	9.7	10.0
.7							11.1	5.1	7.0
							1.1	7.0	7.0
							1.1	3.0	4.0
							1.4	5.1	7.0
.7							5.0	5.0	6.0

//////////////////////////////////// 2.0 //////////////////////////////////

1.0	.3						100.0	7.7	1.0
-----	----	--	--	--	--	--	-------	-----	-----

NO OF OBSERVATIONS 349

OPERATING LOCATION NAME
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRING SURFACE WIND
FROM DIRECTION OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LATITUDE: + 36

DATE
1961

DIRECTION (000-359)	WIND SPEED IN KNOTS						
	1-9	10-19	20-24	25-29	30-34	35-39	40-49
(A) 360-019	1.0	4.0	7.0	2.1	.7	.4	
020-049	1.0	4.0	3.7	.1	.1		
050-079	1.0	1.0	.4				
(B) 080-109	1.0	.4	.4				
110-139	1.0	1.0	.2				
140-169	1.0	3.7	.2	.2			
(C) 170-199	1.0	7.0	3.2	1.0	.3		
200-229	1.0	6.0	1.0	.0	.5		
230-259	.0	1.0	.4				
(D) 260-289	.0	.0					
290-319	1.0	.7	.2	.1			
320-349	1.0	3.2	2.0	.0	.0		
TOTALS							
	11.0	35.4	35.4	5.8	2.7	.4	

TOTAL NUMBER OF OBSERVATIONS 1000

1. FREQUENCY OF OCCURRING SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: APOK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: FEB HOURS: 03-05

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
0-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49			
.1	.7	.4						19.9	10.0	10.0
.1	.1							10.5	3.2	3.0
								3.9	5.2	5.0
								1.9	5.5	4.0
								3.9	5.3	5.0
								6.5	5.7	5.0
	.5							20.4	9.5	10.0
	.5							9.7	8.7	9.0
								2.5	5.9	5.0
								1.1	5.3	5.0
								2.5	5.0	4.0
	.							0.7	5.4	5.0
////////////////////////////////////								7.3	////////////////////////////////	
	2.7	.4						100.0	7.7	9.0

TOTAL OF OBSERVATIONS 149

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WINDS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723842

STATION NAME: TINKER AFB, OK
LST TO UTC: + 5

DATE: 10-10-64
TIME: 0000

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45+
(N) 350-410		6.0	5.0	8.7	2.0	.4	.2				
020-040		2.0	3.4	4.0							
050-070		1.0	1.0	.4							
(E) 080-100		.0	.0	.7							
110-130		1.0	2.0	.0							
140-160		1.0	4.4	.0							
(S) 170-190		1.0	3.4	0.0	1.0						
200-220		.0	0.0	1.0	.0	.0					
230-250		.0	1.0	.0	.1						
(W) 260-280		.0	.4						.1		
290-310		.0	.4			.1					
320-340		1.0	2.0	2.0	1.2	.5	.1				
TOTALS											
TOTAL NUMBER OF OBSERVATIONS 640											

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NO.		PERIOD OF RECORD: MAR 79 - FEB 80							
		MONTH: FEB HOURS: 06-08							
.....									
WIND SPEED IN KNOTS									
0-24	25-29	30-34	35-39	40-49	50-59	60-69	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
.....									
.0	.2						23.9	9.3	10.0
							10.0	7.9	8.0
							4.0	5.4	5.0
							1.9	5.0	6.0
							4.0	6.0	5.0
							4.1	6.0	6.0
							20.4	9.5	10.0
.0							10.4	8.0	6.0
							2.4	7.0	6.0
	.1						.3	7.0	4.5
.1							1.3	5.5	4.0
.0	.1						10.2	8.9	8.0
.....									
////////////////////////////////////							5.5	////////////////////////////////	
.1	.4						100.0	8.0	8.0
OBSERVATIONS 149									
.....									

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DAILY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH: 8

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-40
(N) 350-010	3.4	6.2	3.1	4.0	2.0	.4		
020-040	1.2	2.3	4.6	.6				
050-070	.5	1.2	1.1	.1				
(E) 080-110	1.3	1.3	.4					
110-130	1.1	1.5	.6					
140-160	1.4	1.2	1.4					
(S) 170-190	1.5	4.9	5.4	5.3	.2			
200-220	.7	4.5	4.7	1.2	.7	.2		
230-250	1.1	2.1	.7	.2	.2			
(W) 260-280	.7	1.3	.	.1	.2			
290-310	.6	.5	.4	.1		.1		
320-340	.2	2.7	2.6	1.4	.1	.1		
VARIABLE								
CALC	////////////////////							
TOTALS	14.9	32.2	31.3	13.7	4.2	.6		
TOTAL NUMBER OF OBSERVATIONS 142								

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: FEB HOURS: 09-11

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN WIND	MEDIAN WIND
2.0	.4						24.0	11.0	10.0
							9.2	9.6	10.0
							3.6	8.0	8.0
							3.7	6.6	6.0
							3.2	6.6	7.0
							4.1	7.2	8.0
.2							18.0	11.3	11.0
.7	.2						12.2	10.9	10.0
.3							4.4	8.1	8.0
.2							3.3	8.1	7.0
	.1						1.6	8.1	6.0
.3	.1						3.7	11.5	10.0
////////////////////////////////////							2.6	////////////////////////////////	
4.2	.3						100.0	9.8	10.0
OF OBSERVATIONS 349									

OPERATING LOCATION "A"
USARPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE: SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DISCRETE)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40-49
(N) 350-010	2.4	5.3	4.5	5.1	1.3	.2		
020-040	1.5	3.6	3.8	.2	.2	.1		
050-070	.2	.2	.7					
(E) 080-100	.2	1.2	.5					
110-130	.2	2.0	.7					
140-160	.4	1.2	.2					
(S) 170-190	.2	2.5	5.5	3.2	1.2			
200-220	.2	4.0	5.7	4.5	1.5			
230-250	.2	1.2	1.1	.9		.2		
(O) 260-280	2.4	1.5	.5	.1	.1			
290-310	1.6	1.5	.5	.1	.4	.1		
320-340	1.2	3.4	2.7	1.9	.2	.1		
VARIABLE								
CALC	////////////////////////////////////							
TOTALS	13.2	29.3	32.5	15.5	5.3	.7		
TOTAL NUMBER OF OBSERVATIONS 440								

OF FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

LINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: FEB HOURS: 12-14

.....									
WIND SPEED IN KNOTS									
10-19	20-24	25-29	30-34	35-39	40-49	50-54	55-65	TOTAL	MEAN WIND
									MEDIAN WIND
.....									
0.1	1.3	.2						23.6	11.8
									12.0
0.2	.2	.1						9.7	9.0
									8.5
								1.2	7.5
									5.0
								2.6	5.0
									5.0
								3.6	6.3
									5.0
								2.9	7.3
									8.0
0.3	1.2							14.5	12.2
									12.0
0.4	1.6							15.7	12.4
									13.0
0.5		.2						4.1	11.0
									10.0
0.6	.1							4.4	6.1
									5.0
0.7	.4	.1						4.1	3.1
									5.0
0.8	.2	.1						10.6	10.7
									10.0
.....									
////////////////////								2.4	////////////////
0.9	5.3	.7						100.0	10.3
									10.0
NUMBER OF OBSERVATIONS 849									
.....									

OPERATING LOCATION: "A"
USAFETAG, ASHBYVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723440

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	3.2	4.1	3.7	5.3	1.5	.2				
020-040	1.3	3.2	3.7	1.3						
050-070	.4	.7	.4							
(E) 080-110	.3	1.5	.2							
110-130	.7	1.5	.4							
140-160	.7	2.2	.5							
(S) 170-190	.7	4.4	4.4	3.4	.9					
200-220	1.4	3.1	5.2	2.5						
230-250	.7	.4	2.5	.4	.2					
(X) 260-280	1.2	1.9	.7		.2					
290-310	1.2	1.5	.5	.5		.1				
320-340	2.2	4.5	4.1	1.2	.1	.2				
.....										
VARIABLE										
CALM	////////////////////									
TOTALS	14.8	22.4	34.3	15.7	3.3	.5				
.....										
TOTAL NUMBER OF OBSERVATIONS										149
.....										

INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

2000

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: FEB HOURS: 15-17

SPEED IN KNOTS

	20-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2							23.1	11.6	12.0
							9.5	9.6	10.0
							1.4	6.7	5.5
							2.8	5.9	6.0
							2.8	6.5	6.0
							3.3	7.1	8.0
							15.9	11.5	12.0
							13.2	10.5	10.5
							5.3	11.1	12.0
							4.0	7.5	7.0
.1							3.8	8.3	6.0
.2							12.7	9.3	9.0

////////////////////////////////////	2.1	////////////////////////////////////
0.0	100.0	9.9 10.0

RESERVATIONS 1249

OPERATING LOCATION: "A"
USAFPTAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29
(N) 350-010	4.1	0.6	7.7	3.7	1.3	.2
020-040	2.4	3.7	3.2	.7		
050-070	1.4	.9	.1			
(E) 080-110	1.4	.9	.4			
110-130	2.1	1.9	.2			
140-160	1.4	3.3	.6			
(S) 170-190	2.4	10.3	6.3	1.9	.1	
200-220	2.4	3.5	1.9	.1		
230-250	1.4	.7		.1		
(W) 260-280	.4	.2	.2	.2		
290-310	.7	.2		.1		
320-340	3.3	2.1	.9	.7	.4	
VARIABLE						
CALC	////////////////////////////////////					
TOTALS	21.7	37.5	21.5	7.5	1.3	.2

TOTAL NUMBER OF OBSERVATIONS 146

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: FEB HOURS: 18-20

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
0-24	25-29	30-34	35-39	40-49	50-64			
1.3	.2					25.5	10.0	10.0
						9.9	7.9	9.0
						2.5	4.7	4.0
						2.7	5.3	4.0
						4.3	4.2	4.5
						5.3	5.5	5.0
.1						21.5	5.9	5.0
						5.2	5.3	5.0
						2.2	4.7	4.0
						1.7	5.3	4.0
						.3	5.7	4.0
						7.4	7.2	5.0
////////////////////						7.9	////////	
.1	.2					100.0	7.4	8.0
TOTAL OBSERVATIONS						846		

OPERATING LOCATION: WAM
USAFPTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINGER AFB, OK
LST TO UTC: + 6

DATE: 10/10/54
MONTH: 10

STATION (OBSERVES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	4.0	6.5	7.2	2.5	1.3	.4				
020-040	2.5	4.5	2.7	.4	.1					
050-070	1.0	1.2	.5	.1						
(E) 080-100	2.0	.2	.5							
110-130	2.0	2.0								
140-160	2.0	4.5	.4	.1						
(S) 170-190	1.0	2.2	2.4	3.0	.7					
200-220	2.0	3.3	2.1	.1	.2					
230-250	.5									
(W) 260-280	.2		.1							
290-310	.7	.1	.2	.2						
320-340	1.5	1.5	1.1	.3	.2	.1				
VARIABLE										
CALM	////////////////////									
TOTALS	23.5	34.0	22.7	7.2	2.5	.5				
TOTAL NUMBER OF OBSERVATIONS 146										

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 10000 PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: FEB HOURS: 21-23

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
.....								
.4						22.4	9.6	9.0
						10.6	7.6	7.5
						3.9	5.6	5.0
						3.5	5.2	4.0
						4.4	4.4	4.0
						5.7	6.1	6.0
						22.7	9.7	10.0
						3.4	7.5	6.0
						.4	3.3	3.5
						.4	5.7	4.0
						1.3	5.5	3.0
.1						5.3	8.9	7.0
.....								
////////////////////////////////////						9.0	////////////////////////////////	
.5						100.0	7.5	8.0
OBSERVATIONS						846		
.....								

OPERATING LOCATION: WAW
USAFSTAG, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND
FROM DIRECTION OBSERVED

STATION NUMBER: 723640

STATION NAME: TINKER AFB, OK

DATE

EST TO UTC: + 5

TIME

		WIND SPEED IN KNOTS						
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
.....								
(000-090)								
(N) 350-010	5.7	6.2	4.0	3.5	1.3	.3		
020-040	1.	6.2	2.6	.5	.1	.0		
050-070	1.1	1.3	.5	.0				
(9) 080-100	1.2	1.0	.4					
110-130	1.6	1.9	.4					
140-160	1.5	2.7	.5	.2				
(S) 170-190	2.2	2.1	2.4	2.5	.5			
200-220	1.5	3.1	3.3	1.3	.0	.		
230-250	.	1.1	.7	.5	.1	.		
(4) 260-280	.5	.5	.3	.1	.1	.0		
290-310	.5	.4	.3	.2	.1	.0		
320-340	1.2	2.7	2.1	1.2	.5	.1		
.....								
VARIABLE								
CALC	////////////////////////////////////							
TOTAL	11.0	33.9	27.5	3.7	3.3	.4		
.....								
TOTAL NUMBER OF OBSERVATIONS 275								
.....								

DENSITY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: FEB HOURS: ALL

.....							
WIND SPEED IN KNOTS							
4	25-29	30-34	35-39	40-49	50-64	65-69	TOTAL MEAN MEDIAN
.....							
							WIND WIND
.....							
0.1	0.3						23.2 10.5 10.0
0.1	0.0						10.1 9.5 9.0
							2.9 6.0 6.0
							2.7 5.0 5.0
							3.7 5.6 6.0
							5.0 5.3 6.0
							19.4 10.2 10.0
							11.0 9.5 9.0
							3.0 6.0 6.0
0.1	0.0						2.1 5.3 6.0
0.1	0.0						2.1 7.3 5.0
0.0	0.1						5.0 9.3 5.0
.....							
//////////////////// 5.0 //////////////////							
0.0	0.0						100.0 5.5 8.0

77 OBSERVATIONS 67-5

OPERATING LOCATION "A"
USAFETAG, ACHUVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DIRECTION 1-5-7-11-13-15

STATION NUMBER: 723940

STATION NAME: TINKER AFB OK
EST TO UTC: + 6

2021
0000

CATEGORY A: WINDS OF 200 BUT LESS THAN 1500 KNOTS WITH VISIBILITY OF 1/2 MILE
AND/OR
VISIBILITY OF 1/2 MILE (8000 METERS) BUT LESS THAN 3 MILES (4800 METERS)

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(0-359.9)

(4) 360-019 4.1 7.7 15.7 7.3 2.3 1.1

020-069 2.2 5.6 4.4 .7 .2 .2

070-079 .3 1.2 .6

(1) 080-139 .3 1.5 .4

140-149 1.5 3.3 .2

150-159 .7 2.7 .4 .1

(5) 160-169 .9 3.9 5.4 2.1 .2

170-229 1.1 1.1 2.1 1.1

230-239 .2 .2

(4) 240-249 .2 .1

250-319 .2 .4 .2 .2 .1

320-359 .5 2.9 1.5 1.7 1.4 .2

VARIABLE

CALM //////////////////////////////////////

TOTALS 12.7 31.7 32.7 13.3 4.3 1.6

TOTAL NUMBER OF OBSERVATIONS 1219

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION: 3K PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: FEB HOURS: ALL

.....
 FLIGHT WITH VISIBILITY OF 1/2 MILE (800 METERS).
 (1) NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS							TOTAL N	MEAN WIND	MEDIAN WIND
0-25	26-30	31-35	40-49	50-54	55-59				
0	1.1						39.1	11.8	12.0
1	.2						13.2	5.7	5.0
2							2.7	6.5	6.0
3							2.5	7.0	7.0
4							4.9	6.0	6.0
5							4.1	7.1	7.0
6							13.5	10.9	11.0
7							5.4	10.2	11.5
8							1.1	5.3	6.0
9							.2	7.3	4.0
10	.1						1.1	12.1	6.0
11	.2						6.3	12.4	11.0
////////////////////////////////////							3.7	////////////////////////////////	
13	1.6						100.0	10.0	10.0
OBSERVATIONS							1219		

OPERATING LOCATION: MAW
USAFETAC, ASL VILLE MO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

RELIG
CENTR:

DIRECTION (0-090-90)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 000-010	4.4	4.2	4.3	1.9	1.2	.3			
020-040	2.3	1.3	.9	.3					
050-070	1.7	2.4	1.1	.1					
(E) 080-100	2.5	2.5	.2	.2					
110-130	2.1	3.1	.6	.1					
140-160	1.6	1.8	2.4	.6	.1				
(S) 170-190	2.3	7.2	10.3	5.2	.6				
200-220	1.5	2.5	2.5	1.5	.1				
230-250	.7	.3	.3	.5	.1				
(W) 260-280	.9	.1	.9	.3	.1				
290-310	1.2	.1	.9	.3	.6				
320-340	1.1	1.5	2.6	1.2	.7				
.....									
VARIABLE									
CALC	////////////////////////////////////								
TOTALS	23.3	25.9	26.2	12.2	3.6	.3			
.....									
TOTAL NUMBER OF OBSERVATIONS 030									
.....									

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WIND DIRECTION		PERIOD OF RECORD: MAR 79 - FEB 89		MONTH: MAR		HOURS: 00-02				
.....										
WIND SPEED IN KNOTS										
0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
							%	WIND	WIND	
.....										
1.2	.3						16.3	9.7	8.0	
							5.3	5.9	4.0	
							5.2	6.2	6.0	
							4.7	6.0	5.5	
							7.7	5.6	5.0	
.1							6.0	8.5	1.0	
.0							25.6	10.9	10.0	
.1							3.3	9.5	10.0	
.1							1.5	11.7	13.0	
.1							1.6	8.0	4.0	
.0							2.6	10.8	11.5	
.							7.2	11.2	12.0	
.....										
							7.4	////////		
.0	.3						100.0	3.5	8.0	
NO OBSERVATIONS		930								
.....										

OPERATING LOCATION "4"
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

0.01
40.01

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	2.2	4.5	4.9	2.4	1.1	.4	.1	
020-040	1.3	2.6	.7	.5				
050-070	1.	1.9	1.4	.1				
(E) 080-100	1.5	1.9	.5	.1				
110-130	2.9	2.5	.4	.1				
140-160	3.3	3.4	2.9	.4				
(S) 170-190	1.5	4.5	3.6	4.1	.5			
200-220	2.9	3.1	2.9	1.4	.4			
230-250	.2	.9	.5	.9	.1			
(W) 260-280	.8	.5	.3		.2			
290-310	1.3	.5	.5	.5	.5			
320-340	1.5	1.9	2.5	1.2	.5	.1		
VARIABLE								
CALM	////////////////////							
TOTALS	29.3	28.5	26.7	11.7	3.5	.5	.1	

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR HOURS: 03-05

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
1.1	.4	.1					15.6	11.2	11.0
							5.3	7.6	6.0
							4.3	6.9	6.0
							4.2	6.3	6.0
							5.9	5.7	5.0
							9.2	6.9	6.0
.5							22.3	10.8	11.0
.4							9.9	9.5	9.0
.1							2.5	11.7	10.5
.2							1.5	9.2	7.5
.5							3.7	10.3	9.5
.9	.2						7.3	11.2	12.0
////////////////////////////////////							9.3	////////////////////////////////	
3.5	.5	.1					100.0	8.7	9.0
NUMBER OF OBSERVATIONS 930									

OPERATING LOCATION "A"
USAFETAG, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	2.2	4.4	6.0	3.0	1.3	.1		
020-040	.2	1.5	.4	.1				
050-070	1.7	2.5	.2	.2				
(S) 080-100	1.9	2.3	1.4	.1				
110-130	1.2	2.2	.3					
140-160	1.5	4.0	1.2	.4				
(S) 170-190	1.3	5.4	10.2	3.3		.1		
200-220	1.1	4.7	2.4	1.4	.5			
230-250	.4	.5	1.0	1.1				
(4) 260-280	.1	.2	.4	.1				
290-310	1.2	1.1	.2	.6	.2			
320-340	1.1	1.6	2.5	1.2	.5	.3		
VARIABLE	////////////////////							
TOTALS	17.3	31.2	29.1	12.2	2.5	.5		
TOTAL NUMBER OF OBSERVATIONS 939								

1. OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 2. HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: MAR HOURS: 06-08

.....								
IN KNOTS								
30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN	
.....						WIND	WIND	
.....								
.1					17.0	11.1	10.0	
					2.9	6.6	6.0	
					5.4	7.0	6.0	
					5.7	6.3	6.0	
					5.4	4.9	4.0	
					8.0	7.7	6.0	
.1					21.1	10.8	10.5	
					10.1	9.6	8.0	
					3.1	11.3	12.0	
					1.4	8.5	7.0	
					3.9	8.9	7.5	
.3					9.0	11.3	12.0	
.....								
////////////////////////////////////						7.1	////////////////////////////////	
.1					100.0	8.8	9.0	

3. OBSERVATIONS 939

OPERATING LOCATION "AM"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						
	1-4	5-9	10-14	15-19	20-24	25-29	30-34 35-39 40-49
(N) 350-010	1.3	5.1	5.4	4.0	1.7	.2	
020-040	1.0	2.2	1.3	.2			
050-070	.3	2.3	.2				
(E) 080-100	.3	2.4	1.3	.4			
110-130	.5	3.4	.9				
140-160	.3	2.2	2.4	.5	.2		
(S) 170-190	.2	3.5	7.5	5.3	1.9	.1	
200-220	1.0	1.6	4.1	4.9	1.2	.3	
230-250	1.1	1.3	2.4	1.4	.2		
(W) 260-280	.2	.3	1.1	.5			
290-310	.2	.3	1.4	.4	.1		
320-340	1.0	2.5	2.9	2.0	1.4	.1	
.....							
VARIABLE							
CALM	////////////////////////////////////						
TOTALS	9.7	29.7	32.1	19.7	6.7	.7	
.....							
TOTAL NUMBER OF OBSERVATIONS 330							
.....							

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: ABB OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: MAR HOURS: 09-11

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.7	.2						19.2	11.5	10.0
							5.2	8.0	3.0
							4.4	7.1	6.0
							4.8	6.5	3.0
							4.9	7.2	7.0
.2							5.5	10.2	10.0
1.9	.1						19.5	12.9	13.0
1.2	.3						13.1	13.3	14.0
.2							5.3	10.7	10.0
							2.6	10.4	10.5
.1							2.9	10.6	10.0
1.4	.1						9.9	12.1	12.0

1.5

5.7 .7

100.0 11.1 10.0

NO. OF OBSERVATIONS 930

OPERATING LOCATION: "A"
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DAILY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: JINKER AFB OK
LST TO UTC: + 5

PERIOD
MONTHS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS						
	1-4	5-9	10-14	15-19	20-24	25-29	30-34
(N) 350-010	1.3	5.2	5.2	4.1	1.5	.4	
020-040	.3	2.7	1.3	.3			
050-070	1.2	1.4	.5	.1			
(E) 080-100	.4	3.0	1.0	.5			
110-130	1.0	1.3	2.0	.2			
140-160	.2	1.6	2.0	.6	.1		
(S) 170-190	.4	2.2	5.5	5.6	2.3	.5	
200-220	.3	1.5	3.4	5.3	2.7	.4	.1
230-250	1.0	1.1	2.2	.9	.5	.2	
(W) 260-280	.3	1.2	1.5	.5	.1		
290-310	1.4	1.1	1.2	.4	.2		
320-340	1.5	3.0	3.3	2.5	.9	.3	
VARIABLE							
CALC	////////////////////////////////////						
TOTALS	12.3	25.3	29.2	22.2	9.7	1.9	.1
TOTAL NUMBER OF OBSERVATIONS 930							

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INSTR: AFB JK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: 12-14

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
20-24	25-29	30-34	35-39	40-49	50-54	GE 55			
1.5	.4						17.7	12.0	12.0
							5.1	8.0	8.0
							3.2	6.4	6.0
							4.9	3.2	8.0
							5.1	3.1	8.0
.1							4.5	10.4	10.0
2.3	.5						17.5	14.6	15.0
2.7	.4	.1					13.8	15.4	15.0
.1	.2						6.0	12.1	12.0
.1							4.3	9.2	10.0
.2							4.3	8.5	9.0
.3	.3						11.5	11.5	12.0
////////////////////////////////////							1.8	////////////////////////////////	
0.7	1.0	.1					100.0	11.6	12.0
TOTAL OF OBSERVATIONS							930		

OPERATING LOCATION NAME
USAFSTAD, AFB, VILL. 102

PER CENTAGE FREQUENCY OF OCCURRENCE OF EACH OF THE
SIX TYPES OF WEATHER

STATION NUMBER: 723-60

STATION NAME: TINKER AFB, MO
LAT TO UTC: + 6

		WIND SPEED IN KNOTS								
WIND DIRECTION (150-180)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N)	350-010	1.0	4.0	5.1	3.4	1.5	.1			
	020-040	1.3	1.7	1.1	.3	.2				
	050-070	.0	.0	.0	.4					
(E)	080-100	.0	3.1	1.0	.0					
	110-130	.0	.0	1.0	.0					
	140-160	.0	1.0	0.2	.0					
(S)	170-190	.0	3.7	5.1	6.6	0.7				
	200-220	.0	1.0	3.0	0.0	0.0	.0			
	230-250	.0	1.1	0.1	1.0	1.0				
(W)	260-280	.0	.0	1.0	.0	.0				
	290-310	1.0	1.0	.0	.0	.0				
	320-340	1.0	3.0	0.0	0.0	1.0	.0			
VARIABLE										
CALC										
TOTAL										
		11.0	27.0	31.0	19.7	0.0	.0			

TOTAL NUMBER OF OBSERVATIONS 430

TABLE: FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB, MO
F.4

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: 15-17

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
0-14	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59			
3.4	1.5	.1							17.0	12.0	12.0
.3	.2								4.6	8.2	8.0
.4									5.1	7.5	7.0
.2									5.1	7.5	7.0
.4									3.2	8.5	9.5
.5									5.4	9.1	9.5
1.1	2.7								10.2	14.0	14.0
3.2	2.5	.3							12.4	14.1	14.0
1.3	1.0								7.0	12.3	12.0
.3	.3								3.2	10.7	10.0
.2	.2								3.7	11.3	8.0
.2	1.0	.2							11.7	11.1	10.0
////////////////////////////////////									2.0	////////////////////////////////	
10.7	9.5	.5							100.0	11.3	10.0
NUMBER OF OBSERVATIONS									430		

OPERATING LOCATION: MAW
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725540

STATION NAME: TINKER AFB, OK
LST IN UTC: + 6

PERIOD: 12
MONTH: 12

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-
(4) 350-010	3.3	6.1	4.0	2.6	1.4	.1	.1			
020-040	1.3	3.0	.8	.2	.1					
050-070	2.4	2.0	1.1	.2	.1					
(8) 080-100	2.4	1.7	.3	.1						
110-130	2.5	1.3	1.0	.2						
140-160	1.	3.7	2.0	.4						
(5) 170-190	1.3	5.7	7.4	3.0	.2					
200-220	1.5	3.3	1.2	1.1	.2					
230-250	1.2	1.4	1.2	.4	.2					
(4) 260-280	.	1.0	.4	.1						
290-310	.2	.5	.4	.4						
320-340	2.0	2.3	2.6	1.0	.2					
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	23.3	22.6	24.3	10.5	2.9	.1	.1			
TOTAL NUMBER OF OBSERVATIONS 130										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TINIAN ARB. OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: 18-20

.....									
WIND SPEED IN KNOTS									
	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN
								%	WIND
									MEDIAN
									WIND
.....									
1	1.4	.1	.1					18.2	9.8
2	.1							5.7	6.8
3	.1							5.8	6.6
4								4.5	6.0
5								6.5	6.2
6								8.7	6.1
7	.8							18.2	11.0
8	.2							7.3	9.1
9	.2							4.5	7.7
10								2.3	7.1
11								2.4	6.4
12	.9							9.2	8.5
.....									
////////////////////								5.0	////////////////
13	2.9	.1	.1					100.0	3.2
.....									
NUMBER OF OBSERVATIONS 930									
.....									

OPERATING LOCATION NAME
HSAFETAC, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

SERIAL
MONTH: 4

DIRECTION (500/5-5)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29
(N) 350-110	4.5	4.5	4.9	1.5	1.0	.2
020-040	2.2	2.0	.5	.8		
050-070	2.2	2.3	1.3	.2		
(S) 080-100	1.7	2.7	.4	.1		
110-130	2.4	2.5	.5	.2		
140-160	1.2	5.1	2.3	1.0	.5	
(S) 170-190	1.3	7.1	3.2	4.9	.5	
200-220	1.2	2.5	1.2	1.2	.2	
230-250	.5	.9	.3	.2		
(N) 260-280	.5	.2	.5	.4		
290-310	1.2	.3	.4	.4		
320-340	1.5	1.3	1.5	1.3		
VARIABLE						
CALM	////////////////////////////////////					
TOTAL	21.4	31.2	23.7	12.2	2.0	.2

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

REF: APR 68

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: 21-23

WIND SPEED IN KNOTS

01-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
1.0	.2						17.1	8.9	3.0
							5.7	7.2	5.0
							5.4	6.9	5.0
							4.0	5.3	5.0
							5.9	5.5	4.5
.3							10.3	9.0	8.0
.7							22.0	11.0	10.0
.2							5.2	9.3	3.0
							1.5	5.1	0.0
							1.9	10.2	13.0
							2.6	7.8	6.5
							5.7	9.3	10.0

0.0	.2						9.1		
0.0	.2						100.0	8.0	3.0

NO OF OBSERVATIONS 930

OPERATING LOCATION: "A"
USAFETAC, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AREA BK
LST TO UTC: + 6

RE-FILE
MONTH:

.....									
WIND SPEED IN KNOTS									
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
.....									
(2-50 KNOTS)	.....							
(N) 350-010	2.7	5.0	5.1	2.9	1.3	.2	.0		
020-040	1.1	2.1	1.0	.3	.0				
050-070	1.1	2.2	1.0	.2	.0				
(E) 080-110	1.5	2.4	.7	.2					
110-130	2.2	2.2	1.0	.1					
140-160	1.1	2.9	2.3	.6	.1				
(S) 170-190	1.2	5.2	3.2	5.0	1.2	.1			
200-220	1.2	2.5	2.6	2.6	1.0	.1	.7		
230-250	.7	.2	1.3	.2	.3	.0			
(W) 260-280	.5	.7	.3	.3	.1				
290-310	1.0	.7	.3	.4	.5				
320-340	1.5	2.1	2.3	1.7	.7	.1			
.....									
VARIABLE	.....							
CALC	////////////////////////////////////								
TOTALS	15.0	29.0	27.0	15.0	15.0	.5			

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

SEA AREA 0K

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR HOURS: ALL

.....							
WIND SPEED IN KNOTS							
0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL MEAN MEDIAN
.....							WIND WIND
1.3	.2	.0					17.3 10.6 10.0
.2							5.0 7.3 7.0
.3							4.9 7.0 6.0
							4.9 6.8 6.0
							5.6 6.3 6.0
.1							7.2 8.5 8.0
1.2	.1						20.8 11.9 12.0
1.0	.1	.0					10.2 11.9 12.0
.3	.0						4.1 11.0 11.0
.1							2.4 9.5 9.0
.5							3.2 9.2 9.0
.7	.1						9.0 10.9 10.0
.....							
////////////////////						5.4	////////////////
5.0	.5						100.0 9.5 10.0
.....							
NO OF OBSERVATIONS 7440							
.....							

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MI
AND/OR
VISIBILITY OF 1/2 MILE (0900 METERS) BUT LESS THAN 3 MILES (4800

	WIND SPEED IN KNOTS						
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34 35-39 40-44
(N) 350-010	1.2	5.5	6.4	6.3	2.3	.3	
020-040	1.2	2.0	2.2	.5	.1		
050-070	1.3	2.5	2.0	.5	.1		
(S) 080-100	1.5	2.5	1.9	1.3			
110-130	2.3	2.3	2.1	.7			
140-160	.5	3.5	3.0	1.2	.2		
(S) 170-190	.3	3.0	2.0	5.3	.7		
200-220	.4	1.2	1.3	1.7	.2		
230-250		.7	.5	.3	.1		
(W) 250-270	.1	.4	.6	.2			
280-310	.5	.5	.4		.5		
320-340	.3	1.3	2.3	1.9	1.2		

VARIABLE

CALM

TOTALS

10.7 26.4 33.9 20.5 5.4 .3

TOTAL NUMBER OF OBSERVATIONS 951

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INKER AREA OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR HOURS: ALL

1500 FEET WITH VISIBILITY GE 1/2 MILE (0900 METERS).

(METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

20-24 25-29 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN

% WIND WIND

2.3 .3 24.7 12.5 13.0

.1 6.0 9.0 9.0

.1 6.6 8.7 6.0

7.2 9.0 8.0

8.0 7.3 7.0

.2 9.5 10.5 10.0

.7 17.4 12.8 13.0

.2 5.3 11.3 12.0

.1 1.7 11.6 10.0

1.4 10.2 10.0

.5 2.2 10.0 5.0

1.2 8.0 12.4 12.0

//////////////////////////////////// 2.2 //////////////////////////////////

5.4 .3 100.0 10.9 11.0

NUMBER OF OBSERVATIONS 951

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	2.3	3.1	3.2	.8	.4				
020-040	2.0	2.7	1.2	.6	.1				
050-070	1.2	1.9	.4						
(E) 080-100	1.3	1.2	.2						
110-130	3.1	1.4	.2						
140-160	3.2	4.3	.2	.7	.2				
(S) 170-190	1.6	10.2	3.7	4.2	.7	.1			
200-220	3.2	2.1	2.7	.9					
230-250	1.2	.9	.3						
(W) 260-280	1.1	.4							
290-310	1.3	.9	.4	.1					
320-340	2.2	3.0	2.2	.1	.3				
VARIABLE									
CALM	////////////////////////////////////								
TOTALS	24.2	33.4	21.4	7.4	1.7	.1			

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

4 AB-3 DK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 00-02

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							10.9	8.8	8.0
.1							6.6	7.5	6.0
							4.6	5.7	5.0
							3.9	5.2	5.0
							4.8	4.3	4.0
.2							9.1	7.3	6.0
.7	.1						26.0	10.4	10.0
							8.7	6.4	6.0
							2.2	5.6	5.5
							1.6	3.6	3.5
							2.8	6.4	5.0
.3							7.9	7.7	6.0

//////////////////////////////////// 11.1 //////////////////////////////////
1.7 .1 100.0 7.2 8.0

OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010		2.4	3.4	4.0	.9	.4					
020-040		2.0	1.9	2.2	.1						
050-070		2.3	1.6	1.1							
(E) 080-100		1.9	1.3	.1	.2						
110-130		2.1	1.3	.6							
140-160		2.0	4.1	1.0			.2				
(S) 170-190		2.2	3.3	2.4	4.2	.4					
200-220		3.4	3.9	2.3	1.2						
230-250		.9	.7	.7	.2						
(W) 260-280		.3	1.0	.2							
290-310		1.0	1.1	.1	.1						
320-340		3.0	3.1	1.6	.7	.6					
.....											
VARIABLE											
CALC //////////////////////////////////////////////////////////////////											
TOTALS		24.3	32.7	23.6	7.6	1.6					
.....											
TOTAL NUMBER OF OBSERVATIONS 900											
.....											

DISTRIBUTION OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: ARB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: APR HOURS: 03-05

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
0.4							12.1	9.0	10.0
							5.2	7.4	8.0
							5.0	6.1	6.0
							4.0	5.7	5.0
							4.0	5.3	4.0
0.2							7.3	6.6	6.0
0.4							24.4	10.3	10.0
							10.9	7.9	6.5
							2.4	7.3	6.5
							1.6	6.2	6.5
							2.3	5.8	5.0
0.6							2.7	7.6	6.0
////////////////////////////////////							10.0	////////////////////////////////	
1.0							100.0	7.3	7.0

NO. OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

0101
0101

..... WIND SPEED IN KNOTS										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(1) 050-090	2.7	4.0	4.0	2.0	.4					
020-040	2.3	2.1	1.2	.6						
050-070	2.0	1.2	1.0	.1						
(2) 080-100	1.2	2.2	.4	.2						
110-130	1.0	2.0	.3							
140-160	1.7	3.2	1.6	.1						
(3) 170-190	.6	2.4	2.1	4.7	1.0					
200-220	2.2	4.1	2.2	1.4	.2					
230-250	1.0	2.1	.5	.2						
(4) 260-280	.2	.5	.2	.1						
290-310	1.7	1.5	.4	.1						
320-340	3.1	3.7	1.1	1.0	1.0					
..... VARIABLE										
CALC	////////////////////////////////////									
TOTALS	21.4	34.1	25.2	11.1	2.9					
..... TOTAL NUMBER OF OBSERVATIONS 100										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: APO OF

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: APR HOURS: 06-08

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
0.7							14.2	9.9	10.0
							5.5	7.5	8.0
							5.0	6.1	5.0
							4.1	7.0	7.0
							4.2	5.3	5.5
							5.6	7.0	5.0
1.7							22.1	11.5	11.0
2.0							12.2	9.0	8.0
							4.2	7.5	7.5
							1.1	7.5	5.0
							4.0	5.7	6.0
1.0							3.0	4.5	5.0
////////////////////							5.5	////////////////	
1.5							100.0	8.4	8.0

PER OBSERVATION: 200

OPERATING LOCATION "A"
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

PERIOD:
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(N) 350-010	2.1	4.4	5.3	3.1	.8	.1	.2			
020-040	1.0	2.7	2.4	.7	.1					
050-070	.	1.4	.5							
(E) 080-100	1.1	2.0	1.0	.1						
110-130	1.0	2.1	1.0	.1						
140-160	.7	1.4	1.0	.4						
(S) 170-190	.8	3.3	7.1	3.8	1.7	.4				
200-220	.7	3.1	7.6	4.9	2.2	.1				
230-250	1.7	1.7	2.4	1.2	.2					
(O) 260-280	.7	1.4	.4							
290-310	1.0	1.4	1.0	.1						
320-340	2.7	2.0	2.7	1.3	.7	.7				
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	14.9	23.7	32.9	15.7	5.9	.7	.2			
TOTAL NUMBER OF OBSERVATIONS 600										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

AREA OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 07-11

WIND SPEED IN KNOTS

10-24	25-29	30-34	35-39	40-44	50-64	65-69	TOTAL %	MEAN WIND	MEDIAN WIND
.8	.1	.2					15.1	11.1	11.0
.1							6.9	9.2	9.0
							3.0	6.9	6.0
							6.3	6.5	6.0
							4.2	7.1	6.5
							3.4	6.5	6.0
1.7	.4						15.9	12.9	12.0
2.2	.1						15.4	13.5	14.0
.2							6.6	10.3	11.0
							2.6	6.5	6.0
							3.5	7.3	8.0
.2	.2						10.6	9.9	9.0
////////////////////////////////////							1.2	////////////////////////////////	
.2	.2	.2					100.0	10.5	10.0
NO OF OBSERVATIONS							900		

OPERATING LOCATION "A"
USAFPTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-49
(N) 350-010	1.5	5.4	3.4	3.4	1.2	.1	.2	
020-040	1.2	2.0	1.6	.7	.2			
050-070	1.1	.3	.2	.2				
(E) 080-100	1.4	2.0	.7	.1				
110-130	1.1	2.7	.7	.1				
140-160	.3	1.7	1.0	.7				
(S) 170-190	.7	3.7	3.3	5.7	2.4	.2		
200-220	1.3	2.9	5.3	4.1	2.5	.2		
230-250	.2	1.1	2.1	1.3			.2	
(O) 260-280	.2	1.3	1.2	.3	.2	.1	.1	
290-310	1.0	1.3	.7	.3				
320-340	2.1	3.7	3.7	2.5	1.2	.1		
VARIABLE								
CALM	////////////////////							
TOTALS	13.1	23.6	23.3	19.5	7.2	.9	.5	

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 12-14

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN	
14-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
.....							15.4	11.3	10.0	
.2							5.9	9.3	8.0	
							2.3	7.3	6.0	
							4.2	6.2	6.0	
							4.6	6.3	6.0	
							3.7	9.7	6.0	
.2							13.0	13.6	14.0	
.2							17.7	13.0	13.0	
							5.0	11.4	10.0	
.2							3.9	10.2	10.0	
							3.3	7.6	6.0	
.2							13.3	10.9	10.0	
.....										
////////////////////////////////////							1.7	////////////////////////////////		
.2							100.0	10.9	10.0	
OF OBSERVATIONS 900										
.....										

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	3.0	3.3	5.6	3.6	.4	.1		
020-040	1.0	1.4	2.2	.4	.1			
050-070	.	1.0	.3	.1	.1			
(E) 080-100	.9	1.5	.7					
110-130	1.3	3.2	.7					
140-160	1.1	1.3	2.1	.2				
(S) 170-190	.9	4.2	7.5	5.9	2.3			
200-220	.9	2.7	5.9	3.1	.7	.2		
230-250	.7	1.4	2.2	.2	.2			
(W) 260-280	.3	1.7	1.1	.9		.2	.2	
290-310	.4	1.3	.9	.7				
320-340	2.2	2.7	5.1	1.7	.9	.9	.2	
VARIABLE								
CALM	////////////////////////////////////							
TOTALS	13.4	25.7	35.0	16.8	4.5	.9	.4	
TOTAL NUMBER OF OBSERVATIONS 200								

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WFO AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 15-17

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.4	.1						16.4	10.2	10.0
.1							5.3	8.7	10.0
.1							2.3	8.1	8.0
							3.1	6.6	6.0
							5.1	6.3	6.0
							4.3	6.6	6.0
2.3							20.9	13.0	13.5
.7	.2						14.4	12.1	12.0
.2							5.1	9.5	10.0
	.2	.2					4.4	11.5	10.0
							3.3	9.2	8.0
.2	.3	.2					13.0	11.1	11.0
////////////////////////////////////							1.2	////////////////////////////////	
4.5	.3	.4					100.0	10.5	10.0
NO. OF OBSERVATIONS							300		

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PAGE 1
CONT

DIRECTION (010-090)	WIND SPEED IN KNOTS						
	1-4	5-9	10-14	15-19	20-24	25-29	30-34
(N) 350-010	4.9	1.1	5.1	.3	.6	.2	
020-040	1.4	1.7	1.2	.1			
050-070	1.5	1.1	1.1				
(E) 080-110	1.3	2.6	.7				
110-130	2.3	1.9	.1				
140-160	2.2	3.2	1.7				
(S) 170-190	2.2	7.4	9.3	2.3	.7		
200-220	7.3	2.5	2.9	1.5	.6		
230-250	.7	2.9	.4	.1	.1	.1	
(O) 260-280	.2	1.2	.1	.1			
290-310	.2	.5	.4	.2			
320-340	3.3	2.1	2.2	1.2	.7	.2	
VARIABLE							
CALC	////////////////////						
TOTALS	23.7	33.9	26.3	7.9	2.7	.6	
TOTAL NUMBER OF OBSERVATIONS 100							

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
C: + 5

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 18-20

WIND SPEED IN KNOTS								
10-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
								MEAN WIND
								MEDIAN WIND
.3	.6	.2						19.7
.1								4.4
								3.3
								4.4
								4.3
								7.1
2.9	.7							23.0
1.5	.6							9.9
.1	.1	.1						3.4
.1								1.7
.2								2.0
1.2	.7	.2						10.3
////////////////////////////////////								
								5.9
7.0	2.7	.5						100.0
NUMBER OF OBSERVATIONS 900								

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723543

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010	2.5	5.7	2.5	1.1	.4					
020-040	2.2	2.1	.7	.2	.1					
050-070	2.1	2.2	.9	.1						
(E) 080-100	2.4	1.5	.7							
110-130	4.1	.2								
140-160	2.3	4.7	2.9	.3						
(S) 170-190	2.5	2.3	4.5	3.3	.3	.1				
200-220	2.3	1.7	1.6	.3	.2		.1			
230-250	.2	.4	.1	.4						
(4) 260-280	.2	.7			.1	.1				
290-310	1.1	.3	.2							
320-340	2.3	2.5	1.4	.4	.3		.1			
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	27.0	32.3	20.6	6.7	1.4	.2	.2			
TOTAL NUMBER OF OBSERVATIONS 100										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

18 AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 21-23

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.4							12.6	8.6	8.0
.1							6.0	6.1	5.0
							5.3	6.2	5.0
							4.7	5.1	4.0
							4.3	2.8	2.0
							10.5	7.3	7.0
.3	.1						24.7	9.7	9.5
.2		.1					5.2	9.1	7.0
							1.3	7.5	5.5
.1	.1						1.8	6.6	4.5
							2.6	6.7	8.0
.3		.1					7.2	8.1	7.0
////////////////////////////////////							11.5	////////////////////////////////	
1.4	.2	.2					100.0	6.0	7.0

NO OBSERVATIONS 000

OPERATING LOCATION: "AM"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

REF: 10
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	2.4	4.2	4.4	2.0	.6	.1	.1	
020-040	1.7	2.1	1.7	.4	.1			
050-070	1.4	1.5	.9	.1	.0			
(E) 080-100	1.7	2.0	.6	.1				
110-130	2.1	1.9	.4	.0				
140-160	1.7	3.0	1.5	.3	.1			
(S) 170-190	1.4	4.4	3.1	4.3	1.2	.1		
200-220	2.1	1.9	4.3	2.3	.7	.1	.1	
230-250	.	1.3	1.2	.5	.1	.0	.0	
(W) 260-280	.3	1.0	.4	.2	.0	.1	.4	
290-310	1.0	1.1	.6	.2				
320-340	2.7	3.0	2.5	1.1	.7	.1	.	
VARIABLE								
CALC	////////////////////							
TOTALS	20.1	31.4	26.7	11.5	3.5	.5	.1	

TOTAL NUMBER OF OBSERVATIONS 7200

DIAGRAM OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: K PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: APR HOURS: ALL

SPEED IN KNOTS								
25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
						%	WIND	WIND
.1	.1					14.7	9.6	9.0
						6.0	7.9	8.0
						4.0	5.4	5.0
						4.3	6.0	6.0
						4.4	5.3	5.0
						6.5	7.5	7.0
.1						22.0	11.3	11.0
.1	.1					12.4	10.0	11.0
.1	.1					3.0	9.0	8.0
.1	.1					2.3	8.5	8.0
						3.0	7.1	7.0
.1	.1					10.3	9.4	8.0
////////////////////////////////////						6.0	////////////////////////////////	
.5	.1					100.0	8.7	8.0

OBSERVATIONS 7200

OPERATING LOCATION "AA"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SOURCE: WIN
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERI
MONTH

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 M
AND/OR
VISIBILITY OF 1/2 MILE (0300 METERS) BUT LESS THAN 3 MILES (4.80

WIND SPEED IN KNOTS

DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49

(OFF OBS)

(N) 550-610 1.2 5.2 10.0 4.4 1.5 .5

620-680 1.7 3.3 4.1

690-750 . 3.0 .6 .2

(E) 760-820 1.3 2.2 1.4 .6

830-890 1.7 3.5 1.7

900-960 1.1 4.4 5.3 .7

(S) 970-1030 . 3.3 4.5 4.0 .5

1040-1100 . 1.3 1.4 1.3 1.0 .2

1110-1170 . 1.0 .5 .5 .2 .

(O) 1180-1240 . 3 .2 .3 .3 .3

1250-1310 . 3.5 .2 .2

1320-1380 . 2.1 3.3 1.1 1.5

VARIABLE

CALM //////////////////////////////////////

TOTALS 14.8 29.1 35.4 12.3 4.7 .5 1.0

TOTAL NUMBER OF OBSERVATIONS 631

YEARLY OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 YEARLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: APR HOURS: ALL

.....
 WITH VISIBILITY OF 1/2 MILE (800 METERS).
 FEET LESS THAN 3 MILES (400 METERS) WITH CEILING OF 200 FEET.

DIRECTION						TOTAL	MEAN	MEDIAN
0-35	36-45	46-55	56-65	66-75	76-85			
0						22.7	12.1	11.0
						8.2	7.9	3.5
						5.5	5.5	5.0
						6.2	7.6	7.0
						6.2	6.7	6.0
						10.3	8.0	8.0
						17.1	11.7	12.0
10						5.0	12.3	13.0
						3.7	10.8	9.0
20						1.1	20.1	25.0
						1.5	6.7	5.0
						1.4	12.2	12.0

.....
 ////////////////////////////////////// 1.7 //////////////////////////////////////
 100.0 10.0 10.0
 STATIONS 631

OPERATING LOCATION: WAMP
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM 4 DIRECTIONAL OBSERVATIONS

STATION NUMBER: 723 40

STATION NAME: TINKLE AFB NC
LAT: 35 00' N
LONG: 82 50' W

DATE:
TIME:

		WIND SPEED IN KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(DEGREES)											
(0)	300-010	1.7	2.3	2.5	.5						
	020-040	1.5	3.0	1.0							
	050-070	1.0	1.5	.1							
	080-110	1.5	1.5	.5							
(9)	110-140	3.5	3.2	.2							
	140-170	1.0	.5	2.2	.5						
	170-190	1.2	14.1	10.3	3.3	.5					
	200-230	1.0	2.0	1.0	.2						
(18)	230-250	.5	.2								
	260-290	.2	.2	.5	.1						
	290-310	.5	.4	.5							
	310-340	1.3	1.2	1.5	.2	.1					
TOTAL											
CALC											
TOTAL											
		21.1	17.5	21.1	4.5	.5					

TOTAL NUMBER OF OBSERVATIONS: 36

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INSTRUMENT NO.

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 00-02

WIND SPEED IN KNOTS

00-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							8.1	6.2	7.0
							5.7	6.6	7.0
							3.4	4.6	4.0
							3.4	5.1	4.0
							7.0	5.1	4.0
							10.7	7.1	7.0
.0							32.0	9.5	9.0
							6.1	7.1	7.0
							1.5	4.5	5.0
							1.2	5.2	5.0
							1.6	4.8	5.0
.1							4.3	4.7	9.0
////////////////////////////////////							14.7	////////////////////////////////	
.0							100.0	6.5	7.0

NO. OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE AREA
FROM FLIRLY OBSERVATIONS

STATION NAME: TINKLE AFB OK
LST TO UTC: + 6

2000
2001

WIND SPEED IN KNOTS

21-30 T119 (7459-119)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(4) 360-319	2.1	4.0	3.7	.5	.1				
320-349	1.7	2.7	.1						
360-379	1.7	1.1							
(5) 160-119	.9	.2	.6	.1					
110-119	2.7	2.2	.1						
160-119	2.3	2.6	2.4	.3					
(8) 170-119	6.7	11.6	12.2	2.7	.3				
210-229	2.7	2.1	1.7	.6	.3				
230-249	.4	.							
(4) 260-219	.	.1	.3	.1					
210-219	.3	.2	.1						
320-349	2.	2.3	1.3	.3					

Y. A. L.

22.

1941	12.0	12.8	12.5	9.5	.7
------	------	------	------	-----	----

TOTAL NUMBER OF INFO FILES: 400

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 1000 PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY HOURS: 03-05

WIND IN KNOTS

01-20	20-34	35-49	50-64	65-79	TOTAL	MEAN	MEDIAN
					%	WIND	WIND
					10.6	7.9	8.0
					4.9	6.5	6.5
					2.3	4.5	4.0
					1.5	7.0	8.0
					5.3	4.3	5.0
					11.2	7.0	6.0
					30.5	7.3	7.0
					3.5	7.7	7.0
					1.6	4.5	4.0
					1.5	7.2	7.0
					1.3	4.8	5.0
					5.2	5.5	6.0

//////////////////// 14.0 //////////////////////
100.0 6.5 7.0

STATION: 1000

OPERATING LOCATION: "A"
USAFBAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723942

STATION NAME: TINKER AFB, OK
LST TO UTC: + 5

PERIOD:
MONTH:

DIRECTION (015-075)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 050-075	2.2	4.1	3.4	1.2	.2					
075-090	1.7	1.9	2.3	.1						
090-110	.7	1.3	.4							
(E) 110-135	1.5	1.4	.4							
110-135	2.1	2.3	.3							
135-155	2.1	4.2	3.5	.3						
(S) 155-175	2.4	17.2	13.2	3.3	.4					
175-195	2.3	3.1	2.5	1.7	.1					
195-215	1.1	1.1	.4	.2	.1					
(W) 215-235	.3	.3	.1							
235-315	1.1	.9	.2							
315-345	2.1	3.2	1.2	.1						
VARIABLE										
CALC	////////////////////////////////////									
TOTAL	21.4	35.3	27.6	6.2	.4					

TOTAL NUMBER OF OBSERVATIONS: 331

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

NO. 08

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: MAY HOURS: 06-08

SPEED IN KNOTS						TOTAL %	MEAN KNOTS	MEDIAN KNOTS
25-29	30-34	35-39	40-44	45-49	50-54			
						12.2	8.4	8.0
						5.8	7.5	7.5
						3.5	5.2	5.0
						3.4	5.3	5.0
						4.6	4.9	5.0
						2.8	4.0	5.0
						23.0	10.0	10.0
						10.2	8.6	8.0
						2.0	7.2	5.0
						1.8	7.0	7.0
						2.4	5.3	4.0
						5.6	5.5	5.0
////////////////////////////////////						7.5	////////////////////////////////	
						100.0	7.5	5.0
OBSERVATIONS 330								

OPERATING LOCATION: WAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 703940

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

WIND SPEED IN KNOTS									
DIRECTION (0-359)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(N) 350-010	2.0	3.0	6.1	1.0	.1				
020-040	1.0	2.0	1.0	.2					
050-070	1.0	1.2	1.1						
(E) 080-100	1.0	2.0	.2	.1					
110-130	1.0	1.0	.4	.1					
140-160	.0	0.0	1.4	.0					
(S) 170-190	1.0	0.0	10.0	0.0	.0				
200-220	1.0	1.0	4.0	0.0	1.0				
230-250	.0	1.0	1.1	.0	.0	.1			
(O) 260-280	.0	1.0	.0						
290-310	.0	1.0	.0	.1	.1				
320-340	1.0	1.0	1.0	.0					
TOTALS									
10.1	24.0	29.7	14.0	2.2	.1				

TOTAL NUMBER OF OBSERVATIONS: 600

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 18 PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 09-11

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
20-24	30-34	35-39	40-49	50-64	GE 65			
						14.0	9.0	10.0
						5.9	6.0	6.0
						4.9	5.7	6.0
						4.0	5.5	5.0
						5.4	5.1	5.0
						5.9	6.0	7.0
						25.6	11.3	12.0
						15.2	12.0	12.0
.1						4.7	11.2	11.5
						2.6	6.7	6.5
						2.6	7.6	5.5
						5.2	5.3	6.0
						3.1		
.1						100.0	9.2	9.0
OBSERVATIONS: 930								

OPERATING LOCATION "A"
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725540

STATION NAME: TINKER AFB TX
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (055-095)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-49
(H) 350-010	1.5	3.9	5.2	.2	.2			
020-040	1.5	3.1	2.7					
050-070	1.5	3.5	1.1					
(E) 080-100	1.7	2.2	.4					
110-130	2.2	4.0	.1	.1				
140-160	.3	4.5	1.7	.3	.1			
(S) 170-190	1.5	5.7	11.2	5.1	1.2			
200-220	1.5	3.2	4.0	3.7	.5			
230-250	.1	1.4	2.0		.4	.1		
(S) 260-280	.4	1.2	.4	.4				
290-310	1.7	.9	.9	.3				
320-340	1.2	1.3	1.0	.2				
TOTAL								
TOTALS	11.2	35.3	31.5	12.1	2.6	.1		

TOTAL NUMBER OF OBSERVATIONS 940

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 448804

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY HOURS: 12-14

WIND SPEED IN KNOTS

24	25-29	30-34	35-39	40-49	50-64	65-69	TOTAL	MEAN WIND	MEDIAN WIND
11.5	9.3	10.0							
7.5	7.6	8.0							
5.9	6.4	7.0							
4.6	5.2	5.0							
5.2	5.9	6.0							
3.3	6.6	8.0							
24.7	11.7	12.0							
14.1	11.6	12.0							
4.7	10.0	10.0							
2.5	9.7	8.0							
2.9	7.6	6.0							
4.3	5.4	5.0							
2.7									
100.0	9.1	9.0							

OBSERVATIONS 930

OPERATING LOCATION: "A"
USAFSTAC, ASHLVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

DIRECTION (OBSERVERS)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010	1.4	3.3	5.3	1.1	.3	.1				
020-040	1.0	2.9	2.7	.4	.1					
050-070	1.1	2.3	.9	.1						
(E) 080-100	1.0	2.7	.7							
110-130	1.7	3.9	.4							
140-160	.5	4.9	3.3	.4	.1					
(S) 170-190	1.1	7.4	11.0	2.3	1.2					
200-220	.5	3.1	3.0	1.9	.5					
230-250	.5	1.1	2.0	.5	.1					
(W) 260-280	.9	.9	.2	.2	.1					
290-310	.7	1.3	.7							
320-34	1.0	1.2	1.4	.1	.1					
VARIANCE										
SUM	////////////////////////////////////									
TOTALS	1.9	35.1	34.4	10.1	2.0	.1				

TOTAL NUMBER OF OBSERVATIONS 730

INCIDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: MAY HOURS: 15-17

WIND SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-64	65-69	TOTAL	MEAN WIND	MEDIAN WIND
.3	.1					11.5	10.0	10.0
.1						8.1	8.2	8.0
						6.6	5.6	6.0
						4.7	5.0	6.5
						6.0	5.2	6.0
						11.5	6.0	10.0
						26.7	11.5	11.0
						9.2	11.0	10.0
						4.9	9.9	10.0
						2.5	7.3	6.0
						3.0	7.1	7.5
						4.9	7.4	7.0
////////////////////////////////////						2.3	////////////////////////////////	
.1						100.0	9.1	9.0

HOURLY OBSERVATIONS 030

OPERATING LOCATION: HAW
JSA-ELC, NEWVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE
FROM 100-150 MILES

STAT 101 101 704 40

STATION NAME: TINKAP AND BK
LST TO UTC: + 2

10

ALTO SP. 20 14 2015

STATE OF NEW YORK
IN SENATE

	1-7	8-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1960-1961)									

(17)	200-1	2.1	4.2	3.7	.3	.1
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$\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}}$

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

(1) 1990-1991: 1990-1991

[illegible]

1. 2 = 2

(5) 170-1

1997-1998 1998-1999 1999-2000 2000-2001

1. *Chlorophyll a* (Chl *a*)

(1) $\frac{1}{2} \leq \frac{1}{2} \leq \frac{1}{2}$

[illegible]

1997-1998 1998-1999 1999-2000 2000-2001

43211

[illegible][illegible]

TOTAL NUMBER OF DAYS WAITING FOR...

AD-A211 168

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR

3/8

TINKER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

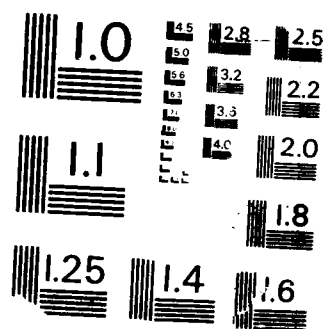
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL JUN 89

UNCLASSIFIED

USAFETAC/DS-89/207

F/G 4/2

NL



FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: ARL BK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: MAY HOURS: 18-20

WIND SPEED IN KNOTS

20-24 25-29 30-34 35-39 40-49 50-54 65-69 TOTAL MEAN MEDIAN
WIND WIND WIND

.1 11.1 7.5 7.0

5.5 5.1 5.0

4.1 4.1 3.0

5.9 4.7 4.0

5.9 5.4 5.0

.2 19.1 7.2 7.0

.3 23.2 9.5 10.0

.4 5.2 5.3 3.0

2.0 3.5 3.0

1.0 4.7 4.0

1.5 5.6 5.0

3.5 5.1 3.0

5.1

1.0 100.0 7.0 7.0

OF OBSERVATIONS 930

REPORTING LOCATION: "A"
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM WINDSPEED OBSERVATIONS

STATION NUMBER: 703-40

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD:
MONTH:

DIRECTION (010-100)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 080-090	1.0	2.4	1.7	.0	.3	.1			
090-100	1.0	1.7	.0	.1					
080-070	3.0	1.3	.3						
(E) 070-100	3.3	.0	.3						
110-130	3.7	4.4	1.1						
140-160	3.7	7.0	2.3	.0		.1			
(S) 170-190	3.7	11.1	10.1	2.0	.1	.1			
200-220	1.0	1.0	.0	.0	.0	.1			
230-250	.4	.0	.0	.1	.1				
(W) 260-280	.0	.0							
290-310	.0	.0	.0						
320-340	.4	.0	1.0		.1				
.....									
VARIABLE									
CALC	////////////////////////////////////								
TOTALS	20.1	33.6	23.2	4.7	.0	.4			
.....									
TOTAL NUMBER OF OBSERVATIONS 337									
.....									

TENDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

AREA: OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY HOURS: 21-24

.....									
WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
1-24	25-29	30-34	35-39	40-49	50-64	GE 65		WIND	WIND
.....									
.3	.1						8.2	6.0	6.5
							6.0	5.6	6.0
							4.5	4.4	4.0
							4.5	4.0	3.5
							10.2	5.1	5.0
	.1						14.3	7.3	6.0
.1	.1						26.6	8.4	9.0
.2	.1						5.2	6.4	6.5
.1							1.5	5.3	7.0
							.6	4.5	4.0
							1.2	7.3	6.0
.1							2.4	9.7	10.0
.....									
////////////////////							13.8	////////	////////
.2	.4						100.0	6.4	6.0

TOTAL NO OF OBSERVATIONS 230

OPERATING LOCATION: "M"
USAFETAG, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DIRECTIONAL OBSERVATIONS

STATION NUMBER: 723940

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

DATE:
TIME:

		WIND SPEEDS IN KNOTS							
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40-49
(DEGREES)									
(N) 350-010		2.4	3.5	3.9	.8	.2	.0		
010-040		1.	2.9	1.7	.1	.0			
040-070		1.3	1.9	.5	.0				
(E) 080-110		1.9	1.5	.5	.1				
110-140		2.	3.3	.5	.0				
140-170		2.2	3.4	2.9	.6	.1	.0		
(S) 170-190		2.3	2.2	11.7	3.7	.5	.0		
200-230		1.5	3.9	2.1	1.7	.4	.1		
230-260		.7	1.1	.1	.0	.1	.0		
(W) 260-290		.5	.7	.1	.1	.0			
290-310		.7	.5	.5	.1	.0			
310-340		1.4	1.6	1.3	.3	.0			
.....									
VARIABLE									
DATE: //////////////////////////////////////									
TOTALS		20.3	35.9	25.6	7.5	1.4			

TOTAL NUMBER OF OBSERVATIONS: 7440

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
ELEV: 46

PERIOD OF RECORD: MAR 72 - FEB 89
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS

15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
										WIND	WIND
.4	.2	.0							10.9	8.5	8.0
.1	.0								5.5	7.0	7.0
.0									4.4	5.5	5.0
.0									4.0	5.3	5.0
.0									5.7	5.3	5.0
.5	.1	.0							11.5	7.7	7.0
3.7	.5	.0							27.3	10.3	10.0
1.7	.4	.0							5.0	9.9	9.0
.0	.1	.0							2.0	8.0	8.0
.1	.0								1.7	7.1	6.0
.1	.0								2.0	6.8	5.0
.3	.0								4.7	7.7	7.0
									8.0	7.7	7.0
7.5	1.4								100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION: "A"
 HONOLULU, HAWAII

PERCENTAGE FREQUENCY OF 300 MPH+ WIND SURFACE WINDS
 FROM ALL DIRECTIONS

STATION NUMBER: 723-40

STATION NAME: LINKER AFB
 LST TO UTC: + 6

DATE: 10/18/75
 TIME: 11:00

CATEGORY A: WINDS OF 200 MPH LESS THAN 1500 FEET AFT VISIBILITY AT 1/2 MILE
 AND/OR
 VISIBILITY OF 1/2 MILE (8000 METERS) OR LESS THAN 2 MILES (4000 METERS)

SITING SPECIFICITY INDEX										
WIND DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
.....										
(0.00 to .5)										
.....										
(a) 250-275	1.3	7.1	12.8	3.9	.6					
275-300	1.3	6.2	6.7	.4	.1					
300-325	1.3	2.8	1.3	.1						
(b) 325-350	1.3	5.5	1.3							
350-375	2.3	3.6	1.3							
375-400	.4	4.6	2.1	.1	.3					
(c) 400-425	1.3	2.4	3.9	1.3	.1	.1				
425-450	.4	.3	.3	.6	.2					
450-475	.1	.6					.1			
(d) 475-500	.6	.6								
500-525	1.3	.6	.4							
525-550	.3	3.6	3.1	1.9	.3					

INCIDENCE OF OCCURRENCE: SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: MAY HOURS: ALL

WIND WITH VISIBILITY GE 1/2 MILE (900 METERS).

WIND WITH VISIBILITY LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND IN KNOTS

20-24	30-34	40-44	50-54	GE 55	TOTAL	MEAN WIND	MEDIAN WIND
					22.8	10.6	10.0
					11.5	8.2	9.0
					6.2	7.4	6.5
					5.2	5.5	5.0
					5.7	5.3	5.0
					0.0	0.1	0.0
.1					12.0	10.4	10.0
					1.2	11.4	11.0
.1					.9	8.5	6.0
					1.0	4.5	4.0
					2.1	5.4	4.5
					8.2	0.5	0.5

//////////////////// 4.5 //////////////////

.2 100.0 3.3 9.0

Observations 575

OPERATING LOCATION: WAW
HSAFVAG, ASS. VILL. 12

PERCENTAGE PROBABILITY OF OCCUPANCY SURFACE IN
ASST. WIND SPEED OBSERVATIONS

STATION NO: 722140

STATION NAME: HICKLE AFB
EST. TO HIC: + 6

DATE: 10/1/61

WIND SPEED IN KNOTS										
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(1) 350-410	1.3	.1	.1	.3						
420-440	1.3	1.4	.1	.3						
450-470	2.7	1.0	.4							
(2) 130-140	5.3	.3	.3	.1						
110-130	4.7	.3	.3	.1						
140-150	.3	.3	1.0							
(3) 170-180	1.3	2.4	1.4	1.4	.2					
200-220	4.3	2.1	3.3	1.2	.2					
230-250	.3	.3	.3							
(4) 260-270	.3	.3	.3		.1					
280-310	.3	.4	.2							
320-340	.3	.5	.2							
VARIABLE										
TOTAL	////////////////////////////////////									
TOTALS	24.1	37.5	14.5	3.5	.5					
TOTAL NUMBER OF OBSERVATIONS 100										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: A50 02

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN HOURS: 00-02

WIND SPEED IN KNOTS

00-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN WIND	MEDIAN WIND
								3.0	6.9	7.0
								4.2	5.4	4.0
								4.1	4.5	4.0
								3.5	4.1	3.0
								5.0	3.7	3.0
								11.5	5.2	5.0
.2								35.2	2.4	4.0
.2								14.4	5.5	3.0
								1.5	5.5	5.5
.1								1.1	5.1	4.5
								1.0	5.4	5.0
								1.5	5.2	3.5
////////////////////////////////////								11.4	////////////////////////////////	////////////////////////////////
.2								100.0	5.2	5.0
TOTAL OBSERVATIONS								200		

OPERATING UNIT: 1 "MAM"
USAF/AFAC, APO VILL

PERCENTAGE FREQUENCY OF OCCURRENCE OF
WIND SPEED IN STATE

STATION ID: 221 40

STATION NAME: TIGER

EST TO: TO: + 2

UNIT: 1
METER

		WIND SPEED IN STATE							
SPEED (KTS)		1-5	6-9	10-14	15-19	20-24	25-29	30-34	35-39
(1) 350-410		1.1	1.1	.1		.1		.1	
420-480		1.1	1.1	.1	.1				
490-550		1.1	1.1						
(2) 560-620		1.1	.1	.1	.1				
630-690		1.1	1.1						
700-760		1.1	1.1						
(3) 770-830		1.1	.1	.1	.1				
840-900		1.1	1.1						
910-970		1.1	1.1	.1	.1				
(4) 980-1040		1.1	1.1	.1	.1				
1050-1110		1.1	1.1	.1	.1				
1120-1180		1.1	1.1	.1	.1				
(5) 1190-1250		1.1	1.1	.1	.1	.1			
1260-1320		1.1	1.1	.1	.1	.1	.1		
1330-1390		1.1	1.1	.1	.1	.1	.1		
(6) 1400-1460		1.1	1.1	.1	.1	.1	.1		
1470-1530		1.1	1.1	.1	.1	.1	.1		
1540-1600		1.1	1.1	.1	.1	.1	.1		
(7) 1610-1670		1.1	1.1	.1	.1	.1	.1		
1680-1740		1.1	1.1	.1	.1	.1	.1		
1750-1810		1.1	1.1	.1	.1	.1	.1		
(8) 1820-1880		1.1	1.1	.1	.1	.1	.1		
1890-1950		1.1	1.1	.1	.1	.1	.1		
1960-2020		1.1	1.1	.1	.1	.1	.1		
(9) 2030-2090		1.1	1.1	.1	.1	.1	.1		
2100-2160		1.1	1.1	.1	.1	.1	.1		
2170-2230		1.1	1.1	.1	.1	.1	.1		
(10) 2240-2300		1.1	1.1	.1	.1	.1	.1		
2310-2370		1.1	1.1	.1	.1	.1	.1		
2380-2440		1.1	1.1	.1	.1	.1	.1		
(11) 2450-2510		1.1	1.1	.1	.1	.1	.1		
2520-2580		1.1	1.1	.1	.1	.1	.1		
2590-2650		1.1	1.1	.1	.1	.1	.1		
(12) 2660-2720		1.1	1.1	.1	.1	.1	.1		
2730-2790		1.1	1.1	.1	.1	.1	.1		
2800-2860		1.1	1.1	.1	.1	.1	.1		
(13) 2870-2930		1.1	1.1	.1	.1	.1	.1		
2940-3000		1.1	1.1	.1	.1	.1	.1		
(14) 3010-3070		1.1	1.1	.1	.1	.1	.1		
3080-3140		1.1	1.1	.1	.1	.1	.1		
(15) 3150-3210		1.1	1.1	.1	.1	.1	.1		
3220-3280		1.1	1.1	.1	.1	.1	.1		
(16) 3290-3350		1.1	1.1	.1	.1	.1	.1		
3360-3420		1.1	1.1	.1	.1	.1	.1		
(17) 3430-3490		1.1	1.1	.1	.1	.1	.1		
3500-3560		1.1	1.1	.1	.1	.1	.1		
(18) 3570-3630		1.1	1.1	.1	.1	.1	.1		
3640-3700		1.1	1.1	.1	.1	.1	.1		
(19) 3710-3770		1.1	1.1	.1	.1	.1	.1		
3780-3840		1.1	1.1	.1	.1	.1	.1		
(20) 3850-3910		1.1	1.1	.1	.1	.1	.1		
3920-3980		1.1	1.1	.1	.1	.1	.1		
(21) 3990-4050		1.1	1.1	.1	.1	.1	.1		
4060-4120		1.1	1.1	.1	.1	.1	.1		
(22) 4130-4190		1.1	1.1	.1	.1	.1	.1		
4200-4260		1.1	1.1	.1	.1	.1	.1		
(23) 4270-4330		1.1	1.1	.1	.1	.1	.1		
4340-4400		1.1	1.1	.1	.1	.1	.1		
(24) 4410-4470		1.1	1.1	.1	.1	.1	.1		
4480-4540		1.1	1.1	.1	.1	.1	.1		
(25) 4550-4610		1.1	1.1	.1	.1	.1	.1		
4620-4680		1.1	1.1	.1	.1	.1	.1		
(26) 4690-4750		1.1	1.1	.1	.1	.1	.1		
4760-4820		1.1	1.1	.1	.1	.1	.1		
(27) 4830-4890		1.1	1.1	.1	.1	.1	.1		
4900-4960		1.1	1.1	.1	.1	.1	.1		
(28) 4970-5030		1.1	1.1	.1	.1	.1	.1		
5040-5100		1.1	1.1	.1	.1	.1	.1		
(29) 5110-5170		1.1	1.1	.1	.1	.1	.1		
5180-5240		1.1	1.1	.1	.1	.1	.1		
(30) 5250-5310		1.1	1.1	.1	.1	.1	.1		
5320-5380		1.1	1.1	.1	.1	.1	.1		
(31) 5390-5450		1.1	1.1	.1	.1	.1	.1		
5460-5520		1.1	1.1	.1	.1	.1	.1		
(32) 5530-5590		1.1	1.1	.1	.1	.1	.1		
5600-5660		1.1	1.1	.1	.1	.1	.1		
(33) 5670-5730		1.1	1.1	.1	.1	.1	.1		
5740-5800		1.1	1.1	.1	.1	.1	.1		
(34) 5810-5870		1.1	1.1	.1	.1	.1	.1		
5880-5940		1.1	1.1	.1	.1	.1	.1		
(35) 5950-6010		1.1	1.1	.1	.1	.1	.1		
6020-6080		1.1	1.1	.1	.1	.1	.1		
(36) 6090-6150		1.1	1.1	.1	.1	.1	.1		
6160-6220		1.1	1.1	.1	.1	.1	.1		
(37) 6230-6290		1.1	1.1	.1	.1	.1	.1		
6300-6360		1.1	1.1	.1	.1	.1	.1		
(38) 6370-6430		1.1	1.1	.1	.1	.1	.1		
6440-6500		1.1	1.1	.1	.1	.1	.1		
(39) 6510-6570		1.1	1.1	.1	.1	.1	.1		
6580-6640		1.1	1.1	.1	.1	.1	.1		
(40) 6650-6710		1.1	1.1	.1	.1	.1	.1		
6720-6780		1.1	1.1	.1	.1	.1	.1		
(41) 6790-6850		1.1	1.1	.1	.1	.1	.1		
6860-6920		1.1	1.1	.1	.1	.1	.1		
(42) 6930-6990		1.1	1.1	.1	.1	.1	.1		
7000-7060		1.1	1.1	.1	.1	.1	.1		
(43) 7070-7130		1.1	1.1	.1	.1	.1	.1		
7140-7200		1.1	1.1	.1	.1	.1	.1		
(44) 7210-7270		1.1	1.1	.1	.1	.1	.1		
7280-7340		1.1	1.1	.1	.1	.1	.1		
(45) 7350-7410		1.1	1.1	.1	.1	.1	.1		
7420-7480		1.1	1.1	.1	.1	.1	.1		
(46) 7490-7550		1.1	1.1	.1	.1	.1	.1		
7560-7620		1.1	1.1	.1	.1	.1	.1		
(47) 7630-7690		1.1	1.1	.1	.1	.1	.1		
7700-7760		1.1	1.1	.1	.1	.1	.1		
(48) 7770-7830		1.1	1.1	.1	.1	.1	.1		
7840-7900		1.1	1.1	.1	.1	.1	.1		
(49) 7910-7970		1.1	1.1	.1	.1	.1	.1		
7980-8040		1.1	1.1	.1	.1	.1	.1		
(50) 8050-8110		1.1	1.1	.1	.1	.1	.1		
8120-8180		1.1	1.1	.1	.1	.1	.1		
(51) 8190-8250		1.1	1.1	.1	.1	.1	.1		
8260-8320		1.1	1.1	.1	.1	.1	.1		
(52) 8330-8390		1.1	1.1	.1	.1	.1	.1		
8400-8460		1.1	1.1	.1	.1	.1	.1		
(53) 8470-8530		1.1	1.1	.1	.1	.1	.1		
8540-8600		1.1	1.1	.1	.1	.1	.1		
(54) 8610-8670		1.1	1.1	.1	.1	.1	.1		
8680-8740		1.1	1.1	.1	.1	.1	.1		
(55) 8750-8810		1.1	1.1	.1	.1	.1	.1		
8820-8880		1.1	1.1	.1	.1	.1	.1		
(56) 8890-8950		1.1	1.1	.1	.1	.1	.1		
8960-9020		1.1	1.1	.1	.1	.1	.1		
(57) 9030-9090		1.1	1.1	.1	.1	.1	.1		
9100-9160		1.1	1.1	.1	.1	.1	.1		
(58) 9170-9230		1.1	1.1	.1	.1	.1	.1		
9240-9300		1.1	1.1	.1	.1	.1	.1		
(59) 9310-9370		1.1	1.1	.1	.1	.1	.1		
9380-9440		1.1	1.1	.1	.1	.1	.1		
(60) 9450-9510		1.1	1.1	.1	.1	.1	.1		
9520-9580		1.1	1.1	.1	.1	.1	.1		
(61) 9590-9650		1.1	1.1	.1	.1	.1	.1		
9660-9720		1.1	1.1	.1	.1	.1	.1		
(62) 9730-9790		1.1	1.1	.1	.1	.1	.1		
9800-9860		1.1	1.1	.1	.1	.1	.1		

FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM JULY 1957 TO 1965

STATION: 148-70

PERIOD OF RECORD: JAN 70 - FEB 69
 MONTH: JUL HOURS: 03-05

WIND SPEED IN KNOTS

01-04	05-08	09-12	13-16	17-20	21-24	25-28	29-32	TOTAL	MEAN	MEDIAN
									SPEED	WIND
.1	.1							4.2	7.1	6.0
								4.3	5.9	5.0
								2.7	4.4	4.0
								2.4	4.5	3.5
								4.3	5.5	3.0
								6.4	6.7	5.0
.2								35.0	5.1	4.0
.2								25.1	7.0	3.0
								2.3	5.0	5.0
								.4	3.0	3.5
								.7	5.7	5.0
								2.3	5.0	4.0
////////////////////////////////////								12.0	////////////////////////////////	
.0	.1							100.0	5.2	5.0
////////////////////										

DETAILED LOGCALL: "W"
USAF TAC, "SHELBYVILLE" MO

PERCENTAGE FREQUENCY OF LOGCALLS RECEIVED IN
RANGE 400-450 MILES

STATION NUMBER: 723443

STATION NAME: HILARY ARS
EST. IN DTG: + 5

STATION
CLASS:

.....										
AND SPIES IN DAYS										
LOGCALL	1-5	6-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(7-9-40-1)										
.....										
(1) 50-51	2.1	2.0	.1	.1						
125-13	2.3	2.4	.4	.3						
139-12	1.7	.9	.7							
.....										
(1) 11-13	2.3	.1	.1	.2						
110-17	3.0	1.0								
140-10	2.3	4.0	.2	.1						
.....										
(3) 17-19	3.7	1.0	10.9	2.2	.4					
131-21	3.3	7.7	7.1	2.1	.3					
231-20	.3	1.0	.1							
.....										
(1) 25-27	.7	.3	.2							
200-31	.7	.3	.2							
300-24	1.0	.2	.2	.2						
.....										
TOTALS	33.0	40.2	21.2	5.0	.7					
.....										
TOTAL NUMBER OF LOGCALLS 100										
.....										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 188 18

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 06-08

WIND SPEED IN KNOTS

00-24	25-29	30-34	35-39	40-44	45-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
								5.1	5.2	5.0
								5.5	5.8	5.0
								2.2	4.8	4.0
								2.4	5.2	4.0
								4.5	3.9	4.0
								5.6	4.1	5.0
0.5								34.5	4.7	5.0
0.3								23.1	3.2	3.0
								3.2	5.5	5.0
								0.5	5.3	7.0
								1.2	5.4	4.0
								2.1	6.4	5.0
////////////////////////////////////									3.9	////////////////////////////////
0.2								100.0	7.1	7.0

HOURLY OBSERVATIONS 600

OPERATING LOCATION: "A"
ISABETAC, ACHUVILL- 10

PERCENTAGE FREQUENCY OF OCCURRING SURFACE WIND
FROM JULY 195 - UNTIL 195

STATION NUMBER: 73340

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

WIND
DIRECTION

		WIND SPEED IN KNOTS					
WIND DIRECTION (010-090)		1-4	5-9	10-14	15-19	20-24	25-29
(4) 050-090		1.5	1.3	1.3	.5		
090-040		2.2	.9	1.3	.4		
040-370		1.7	1.7	.7	.1		
(7) 070-130		1.7	2.2	.1	.3		
110-150		1.4	.7	.2			
140-180		1.7	2.2	.4	.2		
(5) 170-230		2.4	2.8	10.9	1.7	1.2	
200-260		1.9	7.2	11.7	5.5	1.5	
330-200		1.5	2.4	1.4	.9		
(4) 250-310		.2	.3	.2			
330-310		.7	1.2				
320-340		.3	.7	.4	.3		
VARIABLE							
CALC		////////////////////					
TOTALS		14.2	33.1	30.9	10.2	2.4	
		TOTAL NUMBER OF OBSERVATIONS 910					

ALL FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AHS OK
+ 10

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN HOURS: 09-11

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49			
0.0								4.3	7.7	7.0
0.1								4.7	7.1	5.5
0.2								4.3	5.8	5.0
0.3								4.3	5.6	5.0
0.4								2.6	4.9	4.0
0.5								5.2	5.0	5.0
0.6	1.2							26.2	10.1	10.0
0.7	1.5							29.0	11.7	12.0
0.8								3.3	8.4	8.0
0.9								2.0	8.3	8.0
1.0								2.1	5.6	6.0
1.1								2.4	7.6	7.0
////////////////////////////////////								4.0	////////////////////////////////	
1.2	2.0							100.0	8.8	9.0
NUMBER OF OBSERVATIONS								900		

OPERATING LOCATION: WAW
HSAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM ALL PLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD:
DATE:

DIRECTION (0-359 DEG)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(1) 350-315	1.4	.3	1.7	.1						
020-040	2.0	1.2	2.2	.6	.1					
070-070	2.1	1.6	.3	.1						
(2) 045-100	1.4	2.0	.3	.1	.1					
110-130	1.4	2.7	.2							
140-140	1.4	3.9	1.0	.2						
(3) 170-170	.1	10.0	13.3	3.6	.1					
200-220	1.4	4.2	10.6	5.1	1.1					
230-260	1.7	1.3	2.3	.2						
(4) 260-260	.2	.3	.3							
290-310	.2	.2	.2							
320-340	1.2	1.5	.4	.4						
.....										
Variable										
CALM	////////////////////////////////////									
TOTALS	14.4	31.3	33.1	11.1	2.2					

TOTAL NUMBER OF OBSERVATIONS 300

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
MO: + 6

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN HOURS: 12-14

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.....										
.1								5.1	3.2	3.5
.5	.1							6.1	3.5	3.0
.1								4.5	5.2	5.0
.1	.1							4.9	5.0	5.0
								4.4	5.6	5.0
.2								6.5	6.2	7.0
3.6	.9							30.3	10.2	10.0
5.1	1.1							23.1	11.4	12.0
.2								4.9	5.2	10.0
								1.3	7.3	7.5
								1.1	5.1	4.0
.4								3.7	6.7	5.0
.....										
////////////////////////////////////								3.2	////////////////////////////////	
11.1	2.2							100.0	5.9	3.0
.....										
TOTAL NUMBER OF OBSERVATIONS 900										
.....										

OPERATING LOCATION: WAM
USAFRIAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM ADJUTLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

DATE:
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010	1.3	1.9	1.2	.1						
020-040	2.0	1.6	2.2	.3						
050-070	1.1	2.7	1.0	.2						
(E) 080-100	1.5	3.0	.1							
110-130	3.2	4.4	.8							
140-160	1.3	5.4	1.0							
(S) 170-190	1.1	11.6	13.0	4.2	1.0	.1				
200-210	.1	4.1	9.4	3.3	.3	.1				
230-250	.4	.7	1.0			.1				
(W) 260-280	.7	.4								
290-310	.1	.1	.1							
320-340	.4	.7	.2	.1						
.....										
VARIABLE										
OSLM	////////////////////////////////////									
TOTALS	16.7	35.3	33.1	8.2	1.3	.3				
.....										
TOTAL NUMBER OF OBSERVATIONS 300										
.....										

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
TIME: + 6

PERIOD OF RECORD: MAY 79 - FEB 89
MONTH: JUN HOURS: 15-17

.....									
WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND
.....									
								4.6	7.4
								6.1	7.3
								5.7	6.7
								4.7	5.6
								3.4	5.6
								9.0	6.4
4.2	1.0	.1						34.7	10.7
3.3	.3	.1						12.1	11.3
		.1						2.2	8.6
								1.1	4.3
								.3	7.3
.1								1.4	7.2
.....									
////////////////////								3.7	////////
4.2	1.3	.3						100.0	3.6
.....									
TOTAL NUMBER OF OBSERVATIONS 900									
.....									

OPERATING LOCATION NAME
USARFAC, ASHTONVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND D
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER ARAB DE
LST TO UTC: + 6

DATE: 11
MONTH: 11

DIRECTION (0-360 DEGS)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(N) 000-010	1.3	1.7	.8	.2	.1					
020-040	1.4	2.2	1.7	.1						
050-070	1.1	2.4	.7	.2						
(E) 080-100	1.1	1.0	.3							
110-130	7.1	2.1	.4							
140-160	1.1	1.3	1.6	.1						
(S) 170-190	1.4	10.2	10.7	.2	.4					
200-220	1.3	6.3	3.3	.2	.2	.1				
230-250	.4	.2	.1							
(W) 260-280		.1	.1							
290-310	.2	.1	.1							
320-340	.3	.3	.4							
UNDETERMINED										
TOTALS	25.3	41.5	20.0	2.4	.7	.1				

TOTAL NUMBER OF OBSERVATIONS 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

REF ID: A6100K

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 18-20

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
14-19	20-24	25-29	30-34	35-39	40-49	50-54	55-59	WIND	WIND
.....									
.1							4.1	7.1	7.0
							5.4	7.1	8.0
							5.3	5.8	5.0
							6.0	4.3	4.0
							10.5	4.2	4.0
							15.7	5.5	5.0
.4							31.4	8.6	8.0
.2	.1						11.7	3.0	3.0
							.3	5.4	4.0
							.2	7.5	7.5
							.4	5.8	5.0
							1.1	7.5	6.5
.....									
////////////////////							6.1	////////	
.7	.1						100.0	5.5	6.0
OF OBSERVATIONS							900		
.....									

OPERATING LOCATION "AM"
USAFB TAC, AFB VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010	1.2	1.4	1.2		.1					
020-040	1.1	2.0	.2	.1	.1					
050-070	1.2	1.5								
(E) 080-100	1.2	1.1	.4							
110-130	1.2	1.1	.2							
140-160	1.2	1.3	1.2	.1						
(S) 170-190	2.1	2.7	2.1	1.2	.6					
200-220	1.2	1.1	1.2	.3	.2					
230-250	.6	.3	.1							
(O) 260-280	.1	.1								
290-310		.2	.1							
320-340	.1	.3	.2	.1						
VARIABLE										
CALM	////////////////////									
TOTALS	39.2	41.9	13.0	2.4	.3					

TOTAL NUMBER OF OBSERVATIONS 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AF3 OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN HOURS: 21-23

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-54	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1							4.7	5.5	5.0
.1							3.9	5.5	5.0
							3.0	4.5	4.0
							5.6	3.7	3.0
							7.3	3.6	3.0
							17.7	5.2	5.0
.4							35.4	4.1	3.0
.2							7.5	7.7	7.0
							.4	5.3	5.0
							.2	4.0	4.0
							.3	5.7	4.0
							.5	9.7	9.0
////////////////////							11.2	////////	
.3							100.0	5.8	6.0

NUMBER OF OBSERVATIONS 300

OPERATIVE LOCATION NAME
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725740

STATION NAME: LINKER AFB TX
LST TO UTC: + 6

PERIOD
MONTH

DIRECTION (050-055)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(4) 060-010	1.6	1.5	1.0	.3	.0			.0		
020-060	1.7	1.7	1.1	.3	.0					
050-070	1.1	1.5	.5	.1						
(5) 080-100	1.3	1.5	.0	.1	.0					
110-130	1.7	1.0	.3	.1						
140-160	1.7	1.7	1.7	.1						
(5) 170-170	1.5	15.7	11.1	1.2	.0	.0				
200-220	1.7	1.5	1.4	1.0	.0	.0				
230-250	.0	1.0	.0	.0						
(4) 260-260	.0	.4	.0		.0					
270-280	.0	.4	.1							
320-340	.	.7	.3	.2						
.....										
VARIABLE										
TOTAL	////////////////////////////////////									
TOTALS	22.1	34.2	23.1	5.1	1.1					

TOTAL NUMBER OF OBSERVATIONS 7200

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB TX

PERIOD OF RECORD: MAY 74 - APR 89

MONTH: JUN HOURS: ALL

WIND SPEED IN KNOTS

-10	10-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
									%	KPH	KPH
.3	.0		.0						4.4	7.2	5.0
.4	.0								5.0	5.0	5.0
.1									4.3	5.6	5.0
.1	.0								4.3	4.8	4.0
.0									5.1	4.4	4.0
.1									4.4	5.7	5.0
.0	.0	.0							33.2	8.0	5.0
10.0	.0	.0							11.4	10.0	10.0
.0		.0							3.0	7.7	7.0
	.0								.9	6.5	5.0
									.9	5.0	5.0
.1									1.9	5.7	5.0
////////////////////////////////////										7.5	////////////////////////////////
.1	1.1								100.0	7.3	7.0

NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION: WAM
 USAF TAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WINDS
 FROM 4-DAILY OBSERVATIONS

STATION NUMBER: 703-40

STATION NAME: TINKER AFB, OK
 CST TO UTC: + 6

PERIOD:
 MONTH:

CATEGORY A: 0 MILE (0) BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MILE
 AND/OR

VISIBILITY OF 1/2 MILE (0.800 METERS) BUT LESS THAN 3 MILES (4.800 METERS)

WIND SPEED IN KNOTS

WIND DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44
 (0-09-09)

(N) 350-010 6.7 5.7 3.7 1.3 .3 .3

020-030 6.7 5.7 1.3

070-080 6.7 5.3 .3 .3

(E) 090-100 1.3 3.7 .7 .7

110-120 1.3 3.0 .3

140-150 1.3 7.7 1.7

(S) 170-180 1.7 11.7 5.3 .3 .7

200-210 1.7 1.7 2.7 .3

230-240 1.3 1.3

(W) 250-260 1.3 1.3

270-280 1.7 1.3 .3

300-340 1.3 1.7 1.3 1.0

VARIABLE

CALC: //////////////////////////////////////

TOTALS 24.1 43.3 12.3 3.9 1.0 .3

TOTAL NUMBER OF OBSERVATIONS: 300

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AF 10K

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN HOURS: ALL

1000 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
.3	.3						15.0	3.2	3.0
							1.3	5.2	4.0
							5.7	6.3	5.5
							5.3	7.1	6.0
							5.3	5.5	6.0
							10.3	6.9	7.0
.7							19.3	6.6	8.0
							8.3	5.2	5.0
							2.0	5.3	5.0
							1.3	5.1	5.5
							2.3	5.3	7.0
							5.0	10.3	7.0

//////////////////// 3.7 //////////////////
1.0 .3 100.0 5.3 7.0

NO. OF OBSERVATIONS 300

OPERATING LOCATION: WAW
USAF TAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM 1124LY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

		WIND SPEED IN KNOTS									
DIRECTION (010-090)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(V) 350-010		.4	.9	.4							
020-040		1.5	.6	.2							
050-070		1.7	1.1	.1							
(F) 080-100		1.5	.4								
110-130		1.0	1.4	.1							
140-160		4.3	1.7	.2							
(S) 170-190		5.4	32.3	16.5	1.2						
200-220		2.3	4.7	1.7							
230-250		1.3	.3	.1							
(N) 260-280		.3	.1								
290-310		.2									
320-340		.2	.1	.2							
.....											
VARIABLE											
CALC //////////////////////////////////////////////////////////////////////////////////////////////////////////////////											
TOTAL		12.7	47.7	20.3	1.2						

TOTAL NUMBER OF OBSERVATIONS 230

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

NAF AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL HOURS: 00-02

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
10-14	25-29	30-34	35-39	40-49	50-54	GE 55			
							1.7	5.3	6.5
							2.6	4.9	4.0
							2.9	4.3	4.0
							2.9	3.7	4.0
							4.5	3.7	3.0
							10.9	5.4	5.0
							55.4	5.2	5.0
							4.5	5.7	7.0
							1.4	4.5	4.0
							.4	3.5	2.5
							.2	3.0	3.0
							.5	5.4	6.0
////////////////////							8.1	////////////////	
							100.0	6.5	7.0

NO OF OBSERVATIONS 230

OPERATING LOCATION: MAW
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(4) 350-010	1.1	1.1	.8			.1			
020-040	.5	.5							
050-070	1.	.5							
(5) 080-100	1.2	.6	.1						
110-130	1.2	1.0							
140-160	4.4	0.1	.4						
(5) 170-190	1.6	32.0	13.4	.6					
200-220	4.3	6.2	2.2	.2					
230-250	1.4	.2	.2						
(4) 260-280	.8	.1							
290-310	.5	.3	.1						
320-340	.7	.4	.2						
VARIABLE									
CALC	////////////////////								
TOTALS	25.1	45.9	17.4	.7		.1			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WAB IK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: JUL HOURS: 03-05

WIND SPEED IN KNOTS

04	25-29	30-34	35-39	40-49	50-64	65-69	TOTAL %	MEAN WIND	MEDIAN WIND
.1							3.2	6.1	5.0
							1.2	4.3	4.0
							1.7	4.3	4.0
							2.9	3.3	4.0
							2.9	3.8	4.0
							8.0	4.9	4.0
							51.6	7.7	4.0
							13.4	6.6	6.0
							1.3	4.4	4.0
							.5	3.4	3.0
							1.1	4.6	3.0
							1.5	4.6	3.5
////////////////////							4.6	////////////////	
.1							100.0	6.0	7.0

OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFB-TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40-49
(N) 350-010		1.5	2.2	1.1	.1		.1		
020-040		1.5	.8	.3					
050-070		2.5	.5						
(E) 080-100		2.3	1.1						
110-130		1.7	1.6			.1			
140-160		1.4	2.5	.4					
(S) 170-190		5.5	23.0	11.4	1.4	.1			
200-220		4.0	9.0	8.2	1.0				
230-250		1.4	1.0	1.2					
(W) 260-280		.3	.4						
290-310		.5	.1						
320-340		.5	.4	.1					
.....									
VARIABLE									
CALC' //////////////////////////////////////									
TOTALS		25.3	43.4	22.7	2.5	.2	.1		

TOTAL NUMBER OF OBSERVATIONS 330

58 FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

1 TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80

2 5

MONTH: JUL

HOURS: 06-08

WIND SPEED IN KNOTS										
10	20-24	25-29	30-34	35-39	40-49	50-54	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.....										
.1		.1						4.8	7.2	7.0
								2.6	5.0	4.0
								3.1	3.7	3.0
								3.3	4.0	4.0
	.1							3.4	4.7	4.5
								5.3	5.3	5.0
.4	.1							41.5	5.1	5.0
1.0								22.2	5.5	5.0
								5.5	5.1	5.0
								.3	4.9	5.0
								.6	3.5	4.0
								1.2	4.9	4.0
.....										
////////////////////////////////////								5.7	////////////////////////////////	
.1	.2	.1						100.0	6.9	7.0

NUMBER OF OBSERVATIONS 930

.....

OPERATING LOCATION: "A"
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM BUOY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
DATA:

		WIND SPEED IN KNOTS								
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(T) 070-089		1.5	1.3	1.3	.2					
090-099		1.1	1.2	.4						
090-099		.1	2.5	.3						
(E) 090-109		1.5	1.7							
110-139		1.7	1.5	.1						
140-169		1.7	2.0	.3						
(S) 170-199		1.5	2.5	2.5	2.3	.2	.2			
200-229		2.2	11.0	17.6	3.4	.5				
230-259		1.3	6.3	5.2	1.2					
(d) 260-289		1.4	1.3	.5						
290-319		.3	.4							
320-349		1.3	1.2	.2						
.....										
VARIABLE										
CALM //////////////////////////////////////										
TOTALS		17.3	33.5	33.1	6.4	.3	.2			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INVEST AREA: OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL HOURS: 09-11

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							4.9	5.7	5.0
							3.4	5.2	4.0
							3.7	5.3	5.0
							3.3	4.5	5.0
							3.3	4.5	4.0
							4.1	5.3	5.0
.2	.2						20.3	8.4	8.0
.5							34.8	10.5	10.0
							12.7	9.3	10.0
							3.2	5.3	5.5
							.5	5.4	5.0
							2.7	5.0	5.0

.3 .2

100.0 8.4 8.0

NO. OF OBSERVATIONS 930

OPERATING LOCATION: "A"
USAFDTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 350-010	1.3	1.0	1.3							
020-040	1.0	2.5	.0							
050-070	1.	1.9	.4							
(E) 080-100	1.7	1.0	.2							
110-130	1.4	3.3								
140-160	2.5	5.4	1.2	.1						
(S) 170-190	1.0	11.0	12.2	2.6	.0					
200-220	1.3	7.1	13.0	2.8	.4					
230-250	1.	2.3	2.2	.3						
(O) 260-280	.3	.3	.0							
290-310	.0	.3	.1							
320-340	.0	1.0	.							
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	17.0	32.1	33.5	5.3	.0					

TOTAL NUMBER OF OBSERVATIONS 730

• • 1 - 4 - 14

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	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
--	-------	-------	-------	-------	-------	-------	-------	------	--------

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1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

1. *Journal of the American Medical Association*, 2000; 283: 2689-2696.

0 1 6 3 4 3

22.0	2.8	10.0
------	-----	------

		24.7	10.5	10.0
--	--	------	------	------

6.5 9.7 9.5

	1.1	6.0	4.5
--	-----	-----	-----

1.1 5.2 4.0

	2.9	7.9	6.0
--	-----	-----	-----

.....

100.0	5.2	5.0
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OBSERVATIONS 230

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OPERATING LOCATION: WAM
USACE TAG, ASHTVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM ALL SURVEY OBSERVATIONS

STATION NUMBER: 723040

STATION NAME: TINKER AFB, OK

2-41

LST TO UTC: + 6

UNIT

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(A) 350-110		.2	2.4	1.4	.1						
020-040		1.5	2.4	1.3							
050-070		2.7	2.7	.5							
(B) 080-100		1.5	2.2	.2							
110-130		3.1	5.5	.3							
140-160		1.	2.4	3.5							
(C) 170-190		2.7	11.3	19.6	5.4	.1					
200-220		1.1	3.3	3.2	2.5						
230-250		.4	.5	.5							
(D) 260-280		.2	.1	.1							
290-310		.2	.1	.1							
320-340		.2	.4	.1							
.....											
VARIABLE											
CALC //////////////////////////////////////////////////////////////////											
TOTALS		15.2	42.5	35.3	5.0	.1					
.....											
TOTAL NUMBER OF OBSERVATIONS 230											
.....											

BY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM JULY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: JUL HOURS: 15-17

WIND IN KNOTS									
25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIA	
						%	WIND	WIND	
						4.6	7.7	7.0	
						5.3	5.7	7.0	
						5.4	5.4	5.0	
						4.0	5.3	5.0	
						9.0	5.7	5.0	
						14.2	7.1	7.0	
						35.2	10.0	10.0	
						15.8	11.0	11.0	
						1.0	7.3	8.0	
						.4	5.0	5.0	
						.4	5.8	4.0	
						.0	5.4	7.5	
////////////////////////////////////						2.2	////////////////////////////////		
						100.0	8.3	8.0	

OBSERVATIONS 030

OPERATING LOCATION: MAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 708040

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PAGE
1 OF 1

		WIND SPEED IN KNOTS									
DIRECTION (000-359)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(1) 000-010		1.4	1.4	.7							
020-040		1.1	1.3	.6	.1						
050-070		.4	1.7	.3							
(2) 080-100		1.7	1.7	.2							
110-130		.2	6.3	.1							
140-160		1.7	11.3	1.3							
(3) 170-190		1.2	17.5	11.7	.3						
200-220		1.9	2.4	2.3	.3						
230-250		.3	.3	.3	.1						
(4) 260-280		.1		.1							
290-310		.3									
320-340		.3	.1	.1							
.....											
VARIABLE											
CALC //////////////////////////////////////////////////////////////////											
TOTALS		31.2	44.2	19.0	1.3						
.....											
TOTAL NUMBER OF OBSERVATIONS 930											
.....											

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

1979 APR 84

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUL HOURS: 14-20

WIND SPEED IN KNOTS						TOTAL %	MEAN KNOTS	MEDIAN KNOTS
10-24	25-29	30-34	35-39	40-49	50-64			
						3.3	6.5	6.0
						2.2	6.1	6.0
						4.1	6.5	4.0
						5.9	4.1	4.0
						10.6	4.3	4.0
						23.0	5.2	5.0
						35.4	4.4	5.0
						7.0	5.3	8.0
						1.3	7.2	7.0
						.2	8.0	8.0
						.2	8.5	8.5
						.6	5.5	5.0
						4.2		
						100.0	5.3	5.0

HOURLY OBSERVATIONS 930

OPERATING LOCATION: NAM
USAFETAC, ASH VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM ALL OBSERVATIONS

STATION NUMBER: 72549

STATION NAME: LINKER AB, OK
EST TO UTC: + 6

PERIOD:
MONTH: J

DIRECTION (0-359)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50
(1) 350-10	.2	.5	.1							
020-040	1.4	.1	.1	.2						
050-070	2.1	.2	.2							
(2) 080-100	1.1	.5	.1							
110-130	2.1	2.4								
140-160	2.3	10.5	1.0							
(3) 170-190	2.5	25.7	12.5	.4						
200-220	1.1	2.3	.3							
230-250	.2	.2	.1							
(4) 260-280	.2	.4								
290-310	.3	.1	.2							
320-340	.2	.1	.1							
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	12.7	44.3	14.7	.5						

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 0K

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL HOURS: 21-23

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
							1.0	5.1	6.0
							2.4	5.9	6.0
							3.7	6.3	6.0
							4.4	3.3	2.0
							9.9	3.6	3.0
							20.5	5.2	5.0
							44.1	7.9	8.0
							4.2	5.9	6.0
							.0	5.0	4.5
							.6	5.3	5.5
							.6	5.3	4.5
							.5	5.6	4.0

//////////////////////////////////// 7.4 //////////////////////////////////
100.0 5.8 6.0

NO. OF OBSERVATIONS 930

OPERATING LOCATION: "AA"
USAFSTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 703840

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD:
MONTH:

WIND SPEED IN KNOTS									
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(HOURS)									
(N) 350-010	1.1	1.5	.9	.1		.0			
020-040	1.0	1.3	.8	.0					
050-070	1.0	1.5	.2						
(E) 080-100	2.4	1.2	.1						
110-130	3.5	2.6	.1		.0				
140-160	4.	5.3	1.0	.0					
(S) 170-190	2.0	20.4	13.2	1.5	.1	.0			
200-220	2.0	4.0	6.5	1.2	.1				
230-250	1.7	1.3	1.4	.2					
(W) 260-280	.4	.0	.1						
290-310	.4	.2	.1						
320-340	.0	.0	.2						
VARIABLE									
CALC	////////////////////////////////////								
TOTALS	23.4	43.2	24.6	3.1	.2				

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

W. A. B. JR.

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL HOURS: ALL

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
24	25-29	30-34	35-39	40-49	50-64	GE 65			
							%	WIND	WIND
.....								
	.0						3.6	5.8	5.0
							3.2	5.5	5.0
							3.7	4.8	4.0
							3.7	4.2	4.0
							6.2	4.4	4.0
							11.9	5.6	5.0
.1	.0						39.2	8.5	8.0
.1							14.3	9.3	9.0
							4.0	8.1	8.0
							.9	5.5	5.0
							.5	4.0	4.0
							1.3	5.7	5.0
.....								
////////////////////							5.3	////////////////	
.2							100.0	7.0	7.0

OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERI
OD

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2
AND/OR
VISIBILITY GE 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800 METERS)

	WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(A) 350-010	3.9	7.9	9.4	.8						
020-040	.8	4.7	1.5							
050-070	3.1	5.5								
(B) 080-100	1.4	2.4	.8							
110-130	3.1					.8				
140-160	2.4	5.5	1.5							
(C) 170-190	.8	9.4	11.8	.8						
200-220	.8	2.4	.8							
230-250		.8								
(D) 260-280										
290-310				.8						
320-340	.8	2.4	.8							

VARIABLE

CALM

////////////////////////////////////

TOTALS

18.1 41.0 27.6 1.6 .8

TOTAL NUMBER OF OBSERVATIONS 127

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

WREB AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL HOURS: ALL

1000 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
							22.0	8.4	8.0
							7.1	7.4	8.0
							8.7	5.9	6.0
							5.5	5.4	5.0
							3.0	6.0	4.0
							9.4	6.1	6.0
							22.8	9.2	10.0
							3.9	5.6	6.0
							.8	6.0	6.0
							.8	14.0	14.0
							3.9	7.2	7.0
							11.0	////////	////////
							100.0	6.9	8.0

NUMBER OF OBSERVATIONS 127

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 123540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(A) 350-010	1.4	1.3	.3	.1						
020-040	1.9	2.8	.4							
050-070	1.3	1.3	.1							
(B) 080-100	5.3	1.9								
110-130	1.5	1.5								
140-160	5.7	5.1	.5							
(C) 170-190	7.4	30.2	7.1	.6						
200-220	2.5	4.3	1.3		.1					
230-250	1.1	.2	.1							
(D) 260-280	.3	.2	.1							
290-310	.1	.1								
320-340	.5	.1								
.....										
VARIABLE										
CALL	////////////////////////////////////									
TOTALS	33.6	44.2	9.2	.7	.1					
.....										
TOTAL NUMBER OF OBSERVATIONS										430
.....										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

APC OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: AUG HOURS: 00-02

WIND SPEED IN KNOTS

0-04	05-09	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
												3.1	5.3	5.0
												4.8	5.7	5.0
												3.7	4.2	3.5
												4.0	3.5	4.0
												7.1	3.4	3.0
												12.4	4.5	4.0
												45.8	7.0	7.0
.1												3.3	5.6	7.0
												1.4	4.4	3.0
												.6	5.2	4.0
												.5	3.4	3.0
												.6	2.9	3.0
												7.3	7.3	7.3
.1												100.0	5.5	6.0

OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAF TAC, ACH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM RIIPLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: FINKER AFB NC
LST TO UTC: + 6

PERIOD:
MONTH:

DIRECTION (000-359)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	1.5	1.0	.5						
020-040	1.0	1.0	.5						
050-070	1.0	.5	.2						
(E) 080-100	2.5	1.0							
110-130	5.4	.9							
140-160	6.6	3.9	.2						
(S) 170-190	5.6	23.4	7.3	.1					
200-220	5.1	7.3	1.2	.4					
230-250	1.5	.4		.1					
(W) 260-280	.5	.4							
290-310	.3	.1	.1						
320-340	1.7	.2							
VARIABLE									
CALM	////////////////////								
TOTAL	31.2	47.0	10.3	.5					

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION: 34

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: AUG HOURS: 03-05

SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
						3.0	5.5	4.5
						3.7	6.2	6.0
						2.6	4.7	4.0
						4.1	3.9	4.0
						4.3	3.5	4.0
						5.5	4.5	4.0
						44.2	7.0	7.0
						14.0	6.0	6.0
						1.0	4.0	4.0
						.5	5.2	6.0
						.5	5.0	4.0
						1.7	3.4	3.0
						10.8		
						100.0	5.3	6.0

HOURLY OBSERVATIONS 930

OPERATING LOCATION: "A"
 OSAFETAC, ACHTAVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: LINKER APP. 1K
 LST TO UTC: + 6

PERIOD
 MONTH:

		WIND SPEED 14 KNOTS									
DIRECTION (OBSERVED)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
.....											
(N) 350-310		2.4	1.9	1.3							
320-340		1.7	2.3	1.3	.1						
300-320		1.	1.4	.4							
(E) 280-120		1.4	1.4	.4							
110-130		1.7	1.9	.2	.2						
140-160		2.1	2.9								
(S) 170-190		2.5	24.9	7.7	.4	.1					
200-220		4.4	3.5	4.2	.9	.1					
230-250		1.	1.1	.1							
(W) 260-280		.3	.5	.1							
290-310		.	.2								
320-340		1.4	.3								
.....											
VARIABLE											
CALC. //////////////////////////////////////											
TOTALS		2.3	47.2	15.4	1.3	.2					
.....											
TOTAL NUMBER OF OBSERVATIONS 230											
.....											

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

APR 68

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: AUG HOURS: 06-08

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	45-49	50-54	55-59			
							5.6	6.2	6.0
							5.4	6.7	7.0
							3.0	5.4	6.0
							3.2	5.4	5.5
							3.7	4.9	4.0
							5.6	4.3	4.0
1.1							41.0	7.3	7.0
1.1							19.1	7.2	6.5
							2.7	4.7	4.0
							1.1	5.6	5.5
							1.0	3.3	4.0
							1.7	3.6	3.5
////////////////////							7.0	////////	////////
1.2							100.0	6.1	6.0

HOURLY OBSERVATIONS 930

OPERATING LOCATION: WAW
USAF-AG, AFB VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725 40

STATION NAME: TUNKE-150 JK
EOT TO UTC: + 6

DATE: 10
MONTH: 10

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(W) 350-010	1.4	2.7	1.3							
020-040	1.7	1.	1.3							
050-070	1.2	2.2	.8	.2						
(E) 080-110	1.2	1.4	.8							
110-130	1.3	1.2	.8	.2						
140-160	1.1	2.5	.3							
(S) 170-190	1.2	1.6	2.3	1.7	.1					
200-220	2.1	14.5	12.7	2.2	.5					
230-250	1.3	2.4	3.7	.6	.1					
(O) 260-280	.	1.1	.6							
290-310	.4	.3	.1							
320-340	1.3	1.7	.1							
VARIABLE										
ONLY	////////////////////////////////////									
TOTALS	13.2	41.3	29.3	4.2	.7					

TOTAL NUMBER OF OBSERVATIONS 230

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 18 MONTH: AUG PERIOD OF RECORD: MAY 79 - FEB 80 HOURS: 00-11

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
0-4	5-9	10-14	15-19	20-24	25-29	30-34			
							5.4	5.9	7.0
							4.8	5.1	5.0
							4.9	5.6	7.0
							3.3	5.5	5.0
							3.2	5.7	5.0
							3.0	5.0	5.0
1							21.3	4.5	4.0
2							34.7	3.2	3.0
3							5.3	3.3	10.0
							2.4	5.4	6.0
							.0	4.9	4.5
							2.3	5.3	5.0
////////////////////							3.5	////////////////	
7							100.0	7.7	8.0
OBSERVATIONS 930									

OPERATING LOCATION: WAM
USAFETAG, ASHTVILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723440

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

PERIOD:
MONTH:

DIRECTION (0-359)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010	1.9	2.0	1.4					
020-040	1.7	3.7	.8	.1				
050-170	1.4	1.7	.2					
(5) 060-110	2.3	2.6	.3	.1				
110-130	2.1	2.1	.1					
140-150	2.1	4.4	.9					
(6) 170-190	1.7	11.8	11.0	1.1	.2			
200-220	2.1	1.4	5.1	2.4	.3			
230-230	.	3.1	4.2	.2				
(7) 260-280	.2	.4	.4					
290-310	.2	.4	.2					
320-340	.1	1.1	.2					
VARIABLE								
CALC	////////////////////							
TOTALS	22.2	42.6	29.0	4.3	.5			

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TINIAN AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: AUG HOURS: 12-14

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
-------	-------	-------	-------	-------	-------	-------	------------	--------------	----------------

							4.3	7.6	8.0
--	--	--	--	--	--	--	-----	-----	-----

							5.5	6.4	6.0
--	--	--	--	--	--	--	-----	-----	-----

							4.5	4.8	4.0
--	--	--	--	--	--	--	-----	-----	-----

							5.8	5.0	5.0
--	--	--	--	--	--	--	-----	-----	-----

							5.0	5.4	5.0
--	--	--	--	--	--	--	-----	-----	-----

							7.1	5.9	5.0
--	--	--	--	--	--	--	-----	-----	-----

.1	.2						26.6	6.9	9.0
----	----	--	--	--	--	--	------	-----	-----

.4	.3						22.2	9.5	10.0
----	----	--	--	--	--	--	------	-----	------

							8.7	9.5	10.0
--	--	--	--	--	--	--	-----	-----	------

							1.7	5.1	4.5
--	--	--	--	--	--	--	-----	-----	-----

							1.2	5.4	5.0
--	--	--	--	--	--	--	-----	-----	-----

							1.9	6.4	7.0
--	--	--	--	--	--	--	-----	-----	-----

////////////////////							2.9	////////	
----------------------	--	--	--	--	--	--	-----	----------	--

.1	.5						100.0	7.6	8.0
----	----	--	--	--	--	--	-------	-----	-----

TOTAL OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 703540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(4) 350-010	.5	1.7	1.2	.1						
020-040	2.0	3.4	.3							
050-070	2.0	2.3	1.0							
(5) 080-100	3.4	3.3	.3							
110-130	4.0	4.3	.3							
140-160	3.5	5.0	.5	.1						
(6) 170-190	4.1	14.4	13.4	1.4	.2					
200-220	1.7	4.5	7.5	1.1	.2					
230-250	.5	1.3	1.9	.4						
(7) 260-280	.3	.2	.2		.1					
290-310	.1	.3		.1						
320-340	.3	.3	.2							
VARIABLE										
CALM	////////////////////									
TOTALS	23.1	43.3	27.4	3.2	.5					
TOTAL NUMBER OF OBSERVATIONS 930										

AGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TINKER AFB OK PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: AUG HOURS: 15-17

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
1-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 55				
.1									3.5	7.8	8.0
									6.2	6.1	6.0
									6.2	5.6	5.0
									7.3	5.3	5.0
									8.6	5.1	5.0
.1									10.8	5.8	6.0
.4	.2								33.5	8.6	9.0
.1	.2								15.2	9.6	10.0
.4									4.3	9.1	10.0
	.1								.9	9.1	6.5
.1									.6	6.8	6.5
									.9	6.6	5.5
////////////////////////////////////									1.9	////////////////////////////////	
.2	.5								100.0	7.5	7.0
NUMBER OF OBSERVATIONS									930		

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 350-010	.2	1.6	.6	.2						
020-040	1.6	2.6	.8							
050-070	3.7	1.9	.2							
(E) 080-100	6.2	2.6	.1							
110-130	7.6	3.6	.1							
140-160	9.6	7.3	.1	.2						
(S) 170-190	6.6	21.3	6.0	.6						
200-220	1.4	2.2	1.6	.3	.1					
230-250	.6	.6								
(W) 260-280		.1	.2							
290-310	.2	.1								
320-340		.4	.1		.2					
VARIABLE										
CALM	////////////////////////////////////									
TOTALS	37.3	44.3	10.5	1.2	.3					

TOTAL NUMBER OF OBSERVATIONS 730

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: AUG HOURS: 18-20

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
0-24	25-29	30-34	35-39	40-49	50-54	GE 55				
								3.2	7.4	5.5
								5.2	5.9	5.0
								5.3	4.5	4.0
								3.9	3.9	4.0
								11.3	4.0	4.0
								17.1	4.2	4.0
								33.4	7.2	7.0
.1								5.5	8.1	8.0
								1.2	4.7	4.0
								.3	8.3	10.0
								.3	5.0	4.0
.2								.8	10.7	8.0
								5.1		
.3								100.0	5.5	5.0
NO OF OBSERVATIONS								930		

OPERATING LOCATION "A"
USAFBAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(4) 350-010	.3	1.5	.4	.2						
020-040	1.2	2.5	.1	.1						
050-070	3.4	2.0	.3		.1					
(5) 080-100	6.4	2.5	.1							
110-130	7.3	1.9	.1							
140-160	11.7	5.5	.5	.1						
(5) 170-190	4.7	29.5	3.7	.5						
200-220	1.7	2.5	.6							
230-250	.5	.4	.1	.1						
(5) 260-280	.2	.2								
290-310	.1	.2								
320-340	.1	.1		.2						

VARIABLE

CALC

////////////////////////////////////

TOTALS

34.2 47.3 9.1 1.2 .1

TOTAL NUMBER OF OBSERVATIONS 930

27

SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
						2.5	7.7	6.0
						4.6	6.9	6.0
						5.9	4.9	4.0
						7.0	4.2	4.0
						9.4	3.5	3.0
						20.4	4.9	4.0
						35.7	7.2	7.0
						4.4	5.0	5.0
						1.2	6.0	5.0
						.4	4.5	4.5
						.3	5.7	6.0
						.4	10.3	10.5
						7.7		
						100.0	5.4	5.0

1254 EVATIONS 930

OPERATING LOCATION "AW"
USAF TTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LOT TO UTC: + 6

PERIOD:
MONTH:

		WIND SPEED IN KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(DEGREES)											
(N) 350-310		1.1	1.7	.9	.1						
020-040		1.5	2.6	.9	.0						
050-070		2.3	1.9	.4	.0	.2					
(E) 080-100		3.1	2.1	.3	.0						
110-130		4.2	2.1	.2	.1						
140-160		5.2	2.1	.5	.1						
(S) 170-190		5.3	20.7	5.2	.7	.1					
200-220		2.1	5.7	4.9	.0	.2					
230-250		1.0	1.2	1.3	.2	.0					
(W) 260-280		.4	.4	.2		.0					
290-310		.4	.2	.1	.0						
320-340		.7	.5	.1	.0	.0					
.....											
VARIABLE											
CALC		////////////////////////////////////									
TOTALS		22.5	45.2	13.0	2.1	.3					

TOTAL NUMBER OF OBSERVATIONS 7440

.....

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: AUG HOURS: ALL

WIND SPEED IN KNOTS									
20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
							3.8	5.8	6.0
							5.1	5.3	5.0
.0							4.6	5.2	4.0
							5.5	4.6	4.0
							6.7	4.3	4.0
							10.9	5.0	5.0
.1							35.2	7.5	8.0
.2							15.4	8.3	8.0
.3							3.7	8.0	8.0
.4							1.0	6.3	5.0
							.7	4.0	4.0
.5							1.4	5.4	4.0
							5.9	////////	////////
.3							100.0	5.3	6.0

NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "AM"
USAFRTAC, ASHEVILLE- NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723943

STATION NAME: TUCKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

CATEGORY A: CEILING OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MI
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800

WIND SPEED IN KNOTS
DIRECTION 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-49
(DEGREES)

(A) 350-010 1.5 0.3 11.6 .8

020-040 6.4 17.6 6.2

050-070 3.1 3.1 .1

(E) 080-100 1.6 .8

110-130 .1 3.1

140-160 6.7 .1 6.4

(S) 170-190 1.6 6.4 2.3

200-220 .1 .1 .1

230-250

(8) 260-280 .2 .1

290-310 .2

320-340 1.6 .3

VARIABLE

CAL * //////////////////////////////////////

TOTALS 13.0 40.4 33.4 1.6

TOTAL NUMBER OF OBSERVATIONS 129

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: AK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: AUG HOURS: ALL

SEA: FEET WITH VISIBILITY GE 1/2 MILE (0500 METERS).

WINDS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
							23.3	9.3	10.0
							29.6	6.9	8.0
							7.0	6.1	6.0
							2.3	9.0	9.0
							3.9	10.4	12.0
							10.9	7.0	6.5
							9.3	7.6	8.0
							2.3	10.3	11.0
							1.6	7.5	7.5
							.1	11.0	11.0
							2.3	9.0	9.0
							7.0	7.4	9.0
							100.0		

% WIND WIND

23.3 9.3 10.0

29.6 6.9 8.0

7.0 6.1 6.0

2.3 9.0 9.0

3.9 10.4 12.0

10.9 7.0 6.5

9.3 7.6 8.0

2.3 10.3 11.0

1.6 7.5 7.5

.1 11.0 11.0

2.3 9.0 9.0

7.0

100.0 7.4 9.0

TOTAL NO OF OBSERVATIONS 129

OPERATING LOCATION: WAM
USAFETAC, ASHTSVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723-43

STATION NAME: TINKER AFB OK
EST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (100-110)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(A) 350-110	1.0	2.0	1.0	.4					
020-040	1.0	2.2	1.0	.2					
050-070	1.0	2.2	.2	.1					
(B) 080-110	1.0	1.0	.2						
110-120	5.0	2.0							
140-160	5.0	7.0	.0						
(C) 170-190	5.0	20.2	11.0	1.0					
200-210	5.0	3.0	4.0	.0	.1				
230-240	.0	.1	.2						
(D) 250-270	.2	.1	.1						
290-310	.3	.1							
320-340	1.0	.7	.1						
VARIATION									
TOTAL	////////////////////////////////////								
TOTALS	25.1	42.3	19.4	3.2	.1				

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ARE OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP HOURS: 00-02

.....							
WIND SPEED IN KNOTS							
0-24	25-29	30-34	35-39	40-49	50-54	55-59	TOTAL
							MEAN WIND
							MEDIA WIND
.....							
							5.4
							6.1
							7.5
							5.0
							6.5
							6.0
							4.4
							5.4
							5.0
							3.8
							4.2
							4.0
							7.1
							4.0
							4.0
							10.4
							5.4
							6.0
							37.9
							3.5
							4.0
.1							9.2
							8.5
							9.0
							.0
							6.1
							3.0
							.4
							5.3
							5.0
							.4
							2.8
							2.0
							2.4
							4.4
							4.0
.....							
//////////////////// 5.7 //////////////////							
.1							100.0
							6.5
							7.0
OBSERVATIONS 900							
.....							

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION
FROM FOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: 5

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010	2.7	2.2	2.6	.3				
020-040	1.3	1.4	.7	.4				
050-070	2.7	1.9	.1					
(-) 080-100	2.1	1.0	.1					
110-130	3.4	1.1						
140-160	4.4	4.7	.3	.1				
(5) 170-190	6.7	12.1	13.2	.2	.1			
200-220	3.3	3.9	4.2	1.0				
230-250	.2	.2	.1					
(4) 260-280	.3	.2	.1		.1			
290-310	.3	.2						
320-340	1.	1.0	.3			.1		
VARIABLE								
CALC	////////////////////////////////////							
TOTALS	2.4	37.7	22.1	2.7	.2	.1		
TOTAL NUMBER OF OBSERVATIONS 100								

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS

04	25-29	30-34	35-39	40-49	50-64	65-69	TOTAL	MEAN	MEDIAN
								WIND	WIND
							7.6	7.7	7.5
							3.9	7.0	6.0
							4.0	4.7	4.5
							3.2	4.0	4.0
							4.6	3.8	4.0
							19.7	5.2	5.0
.1							32.6	5.3	5.0
							12.2	4.2	4.0
							1.5	5.1	5.5
.1							.8	7.4	5.0
							1.0	3.7	4.0
	.1						3.2	5.3	4.0
							5.6		
.2	.1						100.0	6.5	6.0
OF OBSERVATIONS							900		

OPERATING LOCATION "A"
USARETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND D
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: 8

```
.....
                                WIND SPEED IN KNOTS
DIRECTION      1-4    5-9   10-14  15-19  20-24  25-29  30-34  35-39  40-49  ...
(DIGITS)
.....
(N) 350-010    2.5    3.0    2.0    .5    .4
      020-040    1.3    2.1    1.5    .2
      050-070    .3    1.3    .4
(E) 080-100    3.3    1.7
      110-130    2.1    1.4    .1
      140-160    1.3    1.7    .2
(S) 170-190    4.2    17.0    13.0    1.8
      200-220    1.0    4.6    4.0    1.4    .3
      230-250    1.2    1.4    .2
(W) 260-280    .3    .1
      290-310    .1    .3
      320-340    1.5    1.9    .2    .2
.....
VARIABLE
CALC ///////////////////////////////////////////////////
TOTALS    29.1    39.6    24.5    4.4    .7
```

TOTAL NUMBER OF OBSERVATIONS 200

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 100K PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP HOURS: 06-08

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
						9.7	8.1	7.0
						5.2	7.9	8.0
						2.7	6.2	6.0
						5.4	4.0	4.0
						3.7	4.4	4.0
						7.4	5.7	5.0
						35.9	8.7	8.0
						13.2	9.3	9.0
						3.5	5.0	4.0
						.4	4.0	4.0
						.4	5.5	6.0
						4.1	6.4	6.0
						6.7		
						100.0	7.1	7.0

OBSERVATIONS 000

OPERATING LOCATION "A"
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39 40-49
(N) 350-010		1.4	4.2	3.4	.7	.4			
020-040		1.5	3.1	2.2	.1				
050-070		1.1	1.2	.3					
(E) 080-100		1.2	1.2	.3	.1				
110-130		1.7	1.2	.3					
140-160		1.7	2.2	.2					
(S) 170-190		1.2	12.6	11.7	3.2	.3			
200-220		1.4	6.3	10.6	5.4	1.6			
230-250		1.2	1.3	1.4	.3				
(W) 260-280		.2	.3	.1					
290-310		.2	.1	.2					
320-340		.7	1.5	.6	.3				
.....									
VARIABLE									
CALC //////////////////////////////////////////////////////////////////									
TOTALS		16.0	34.4	32.3	10.6	2.0			

TOTAL NUMBER OF OBSERVATIONS 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INLET AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: 09-11

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.4							10.2	9.3	9.0
							7.0	7.7	7.0
							3.1	6.3	6.0
							4.0	6.2	5.0
							4.2	4.7	4.0
							4.1	5.2	5.0
.8							23.0	10.1	10.0
1.6							25.3	11.5	12.0
							5.4	3.4	3.0
							1.6	7.7	7.5
							.5	5.2	6.0
							3.1	8.5	4.0
////////////////////							3.3	////////	
2.4							100.0	9.1	9.0
NO OF OBSERVATIONS							900		

OPERATING LOCATION "A"
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH: 1

DIRECTION (0-359)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(N) 350-010	2.0	1.9	3.7	.7	.3					
020-040	0.1	2.6	2.9	.9						
050-070	1.2	1.7	.9	.1						
(E) 080-100	2.0	1.7	.1	.1						
110-130	2.4	1.9	.1							
140-160	1.2	4.3	1.0	.1						
(S) 170-190	2.2	7.4	12.0	3.1	.6					
200-220	1.2	4.6	2.1	4.2	.9					
230-250	.2	1.0	2.3	.5	.4					
(W) 260-280	1.0	.7	.4							
290-310	.7	.6	.1							
320-340	.2	1.0	1.3	.3	.1					
.....										
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	19.8	30.6	33.2	10.6	2.5					

TOTAL NUMBER OF OBSERVATIONS 300

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
1-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
.....								
.3							3.6	9.0	10.0
							3.7	8.4	8.0
							4.4	6.2	5.5
							3.9	5.0	4.0
							4.4	4.6	4.0
							7.0	6.5	6.0
.1							26.4	10.2	10.0
.2							20.7	11.8	12.0
.4							4.9	10.2	11.5
							2.1	5.5	5.0
							1.3	4.3	5.0
.1							3.7	9.3	9.0
.....								
////////////////////							3.1	////////	
.3							100.0	8.9	9.0
OBSERVATIONS							900	.....

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29 30-34 35-39 40-49
(4) 350-010	1.2	4.3	3.9	.4	.1	
020-040	1.7	2.9	1.5			
050-070	2.4	2.4	.0			
(8) 080-100	3.1	2.0	.4			
110-130	3.4	2.9				
140-160	3.0	5.2	2.0	.1		
(5) 170-190	2.0	11.6	12.3	3.7	.3	
200-220	.3	3.2	6.2	3.1	.7	
230-250	.0	1.1	1.6	.3	.1	
(4) 260-280	.4	.5	.2			
290-310	.3	.2	.2			
320-340	.0	1.0	.9	.4	.1	
VARIABLE						
CALM	////////////////////////////////////					
TOTALS	20.7	27.4	39.2	8.5	1.3	

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

AREA JK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: 15-17

WIND SPEED IN KNOTS

25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.1						10.0	8.9	8.0
						5.6	7.7	8.0
						5.8	5.5	5.0
						5.5	4.7	4.0
						5.3	4.7	4.0
						10.3	5.5	6.0
.4						30.2	10.2	10.0
.7						14.0	11.8	12.0
.1						3.9	8.9	10.0
						1.2	5.1	7.0
						1.2	5.4	4.0
.1						3.4	4.5	5.5
////////////////////////////////////						1.6	////////////////////////////////	
.2						100.0	8.5	8.0

NO OBSERVATIONS 900

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

DEPT:
MONT:

DIRECTION (050-099)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(N) 350-010	2.6	4.0	1.9	.7	.1					
020-040	1.8	2.3	.7		.2					
050-070	2.1	1.9		.2						
(E) 080-100	4.4	1.6	.3	.2						
110-130	1.4	2.7	.4							
140-160	2.7	5.2	1.0	.1						
(S) 170-190	4.4	15.6	3.1	.7	.1					
200-220	1.9	2.7	1.2	.3	.1					
230-250	.6	.4								
(O) 260-280	.3		.1							
290-310	.7	.1		.1						
320-340	.7	.4	.4							
VARIABLE										
CALC	////////////////////									
TOTALS	78.6	34.8	14.8	2.3	.5					

TOTAL NUMBER OF OBSERVATIONS 300

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INVER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP HOURS: 18-20

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1							9.1	7.5	7.0
.2							4.9	6.7	6.0
							7.1	4.2	4.0
							6.6	4.5	3.0
							10.0	4.0	4.0
							14.7	5.1	5.0
.1							23.9	7.0	8.0
.1							6.7	8.2	3.0
							.9	4.6	4.5
							.4	5.0	3.5
							.9	4.6	2.5
							1.6	5.1	5.5
							7.8	7.8	7.8
.5							100.0	5.5	6.0

NO. OF OBSERVATIONS 900

OPERATING LOCATION NAME
USAFSTAG, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

		WIND SPEED IN KNOTS							
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
.....								
(N) 350-010		3.0	2.2	1.7	.8				
020-040		.3	2.6	1.0	.6				
050-070		3.3	2.1	.1					
(E) 080-110		4.4	1.4	.2					
110-130		2.2	2.3	.2					
140-160		1.1	2.7	1.3					
(S) 170-190		3.5	10.5	9.9	1.4				
200-220		.1	2.1	1.9	.3	.1			
230-250									
(W) 260-280		.3	.2		.1				
290-310		.2	.1						
320-340		.2	.5	.2					
.....								
VARIABLE									
CAL		////////////////////////////////////							
TOTAL		31.4	39.0	16.2	3.2	.1			
		TOTAL NUMBER OF OBSERVATIONS 900							
.....								

FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED FROM TIDELY OBSERVATIONS

STATION: 100

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: SEP HOURS: 21-23

.....									
WIND SPEED IN KNOTS							TOTAL	MEAN	MEDIAN
0-4	5-9	10-14	15-19	20-24	25-29	30-34	N	WIND	WIND
.....									
							7.7	7.2	6.0
							4.3	7.9	7.0
							5.5	4.2	4.0
							5.1	4.0	4.0
							2.3	3.2	4.0
							12.5	5.3	5.0
							31.4	5.5	5.0
.1							5.2	5.0	5.0
							.7	5.3	5.0
							.3	5.7	5.0
							1.7	5.7	4.0
.....									
////////////////////							.1	////////////////	
.1							15.1	5.0	5.0
WIND DIRECTION IN DEGREES									
.....									

OPERATING LOCATION: WAM
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DOCUMENTED SURFACE WIND DIRECTION
FROM HOURLY OBSERVATIONS

STATION ID: 703540

STATION NAME: LINCOLN AFB TX
LST ID LTC: + 5

DATE: 10-10-68
TIME: 1200

		WIND SPEED IN KNOTS									
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(DEGREES)											
(N)	360-10	0.1	0.2	0.1	.1	.2					
	10-20	1.0	0.4	1.0	.4	.0					
	20-30	0.3	1.0	.4	.1						
(E)	90-100	0.0	1.4	.3	.1						
	110-120	0.0	0.0	.0							
	140-150	0.0	0.0	.0	.1						
(S)	170-180	0.0	10.7	11.7	0.0	.3					
	190-200	1.0	0.0	0.0	0.1	.0					
	230-240	.0	.0	.7	.0	.1					
(W)	260-270	.4	.0	.0	.0	.0					
	290-300	.0	.0	.1	.0						
	310-320	1.1	1.0	.0	.0	.0					
TOTAL											
////////////////////											
TOTAL		0.8	17.6	14.4	0.0	1.1					

TOTAL WIND SPEED OBSERVATIONS: 200

1. CYCLE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: ALL

SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-64	GE 65			
						5	WIND	WIND
						4.7	3.3	4.0
						5.8	7.6	7.0
						4.6	5.2	4.5
						4.8	4.5	4.0
						5.2	4.2	4.0
						10.9	5.5	5.0
						32.3	9.0	9.0
						13.4	10.4	10.0
						2.5	4.2	4.0
						1.0	6.2	6.0
						2.4	4.5	4.0
						2.9	7.1	6.0
////////////////////						5.1	////////	////////
						100.0	7.3	7.0

2. WIND DIRECTION

OPERATING LOCATION NAME
USAFETAC, ACHWILLING

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WINDS
FROM HOURLY OBSERVATIONS

STATION NUMBER : 78140

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
OBSERVATION

DATE BY: 000105 0000 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MI
AND/OR
VISIBILITY OF 1/2 MILE (0300 METERS) BUT LESS THAN 3 MILES (4800 M)

		WIND SPEED IN KNOTS				
		1-4	5-9	10-14	15-19	20-24
		25-29	30-34	35-39	40-44	45-49
		(0-4)	(5-9)	(10-14)	(15-19)	(20-24)
(8)	050-099	2.2	2.2	2.7	2.5	1.5
	100-149	3.2	4.2	2.7	.8	
	150-199	3.2	2.5	.7		
(1)	200-249	1.2	1.2			
	250-299	1.2	.7	.2		
	300-349	2.2	2.5	.7		
(5)	350-399	.7	2.5	2.7	2.5	
	400-449	1.2	1.2	1.2	1.2	.5
	450-499	.5		.7		
(4)	500-549	.7	.7			.2
	550-599	.2	.5		.2	
	600-649	2.	2.2	1.2	1.2	.2
VA-IACU						
GML		////////////////////				
TOTALS		22.4	31.3	19.2	8.2	2.9

TOTAL NUMBER OF OBSERVATIONS 401

OF FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AFB OK

PERIOD OF RECORD: MAR 77 - FEB 78

MONTH: SEP

HOURS: ALL

AT 1500 FEET WITH VISIBILITY OF 1/2 MILE (800 METERS).

AT 10 METERS) NOT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
10-19	20-24	25-29	30-34	35-39	40-49	50-54	55-65			
1.0	1.0							22.4	9.3	9.0
								10.7	7.2	7.0
								5.0	4.0	4.5
								4.2	3.2	3.0
								5.0	4.1	4.0
								5.0	5.3	5.0
								15.0	10.1	10.0
								5.2	10.4	9.0
								1.1	5.4	11.0
								1.7	6.5	5.0
								1.0	7.5	5.5
								7.7	9.5	9.0
////////////////////////////////////								6.7	////////////////////////////////	
	2.4							100.0	7.1	7.0
NUMBER OF OBSERVATIONS 401										

OPERATING LOCATION "A"
USAF TAC, ASHTVILL 190

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 720540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

DIRT
MOIST

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(B) 350-010	2.2	4.2	3.0	.0	.2					
020-090	1.5	3.0	1.0	.4						
090-070	2.0	2.0	.2							
(E) 080-150	1.5	1.2	.1							
110-180	2.5	1.4	.1							
140-160	3.2	4.6	1.4	.1						
(S) 170-190	3.7	15.1	12.0	2.0	.3					
200-210	4.0	3.0	1.0	.4	.4					
230-250	.0	.3								
(O) 280-290	1.0	.2	.1							
300-310	.2	.1	.0	.1						
320-340	1.6	2.0	.4	.3	.2					
VARIABLE										
CALC	////////////////////////////////////									
TOTAL	14.4	34.3	21.5	4.0	1.1					

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 18 PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT HOURS: 00-02

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
						11.0	8.4	3.0
						6.9	7.3	7.5
						5.1	5.0	5.0
						2.9	4.2	4.0
						4.0	4.1	4.0
						9.4	6.5	6.0
						33.8	9.1	9.0
						10.1	7.5	6.0
						1.1	4.0	4.0
						1.3	4.7	4.0
						1.7	7.4	5.0
						6.0	7.3	7.0
////////////////////						2.3	////////////////	////////////////
						100.0	7.0	7.0

OBSERVATIONS 930

OPERATING LOCATION: "A"
USAFBAG, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723040

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (OBSERVED)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50
(N) 350-010	3.2	4.2	3.1	.9	.2	.1				
020-090	1.7	1.2	1.0	.6	.1					
090-270	1.7	2.3	.9							
(E) 080-100	1.2	1.4	.1							
110-130	1.9	1.3	.9							
140-180	1.7	2.9	1.4	.2						
(S) 170-190	1.9	11.9	13.7	1.9	.2					
200-220	.7	4.1	2.8		.1					
230-250	.1	.3	.9	.2						
(W) 260-280	1.7	.6		.1						
290-310	1.9	.3	.8		.2					
320-340	1.	1.9	1.1	.6	.1					
VARIABLE										
CALC	////////////////////////////////////									
TOTAL	26.2	21.7	23.6	4.3	.9	.1				
TOTAL NUMBER OF OBSERVATIONS 100										

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 03-05

25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.1						11.7	8.2	7.0
						6.6	7.6	7.0
						4.4	5.1	5.0
						2.7	5.4	5.0
						4.7	4.6	4.0
						5.5	6.4	5.0
						31.0	9.4	9.0
						10.5	6.2	6.0
						1.4	7.1	6.0
						1.9	4.7	4.0
						2.4	7.1	4.5
						5.5	7.7	5.0

0.1	100.0	7.0	7.0
-----	-------	-----	-----

C - 4 - 32

OPERATING LOCATION: "AM"
ISAFIAC, ASHTVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723740

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

DATE:
MONTH:

DIRECTION (0-359)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 000-014	2.7	6.6	3.9	1.2	.2				
020-040	1.7	2.2	2.2	.3		.3			
050-070	1.	2.4	.2						
() 080-100	2.7	1.4	.3						
110-130	3.1	1.6	.1						
140-160	1.7	6.1	1.3	.4					
(S) 170-190	3.2	3.3	13.7	3.1	.3				
200-220	1.7	3.6	2.4	.4					
230-250	.7	.7	.1						
() 260-280	.7	.3		.2					
290-310	.7	.2	.4						
320-340	3.4	2.3	1.1	.2	.2				
VARIABLE									
DATA	////////////////////								
TOTAL	27.0	35.2	25.5	5.9	.7	.3			
TOTAL NUMBER OF OBSERVATIONS 430									

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 06-03

WIND SPEED IN KNOTS					TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-54	GE 55	% WIND	WIND
						12.5	8.5
.3						5.7	4.0
						4.4	5.0
						4.3	4.0
						4.7	4.0
						7.3	5.0
						25.4	10.0
						12.5	6.0
						1.3	5.0
						1.5	4.5
						2.2	5.0
						7.2	5.0
////////////////////					5.5	////////////////	
.3						100.0	7.0
OBSERVATIONS					230		

OPERATING LOCATION: "A"
 USAFBAG, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
 FROM ALL PLY OBSERVATIONS

STATION NUMBER: 733643

STATION NAME: TINKER AFB, OK
 LST TO UTC: + 6

DATE: 01-10-68
 TIME: 1010

WIND DIRECTION (000-360)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010	1.5	3.3	4.6	1.7	.2					
020-040	1.1	2.2	3.1	.5	.3	.3				
050-07	1.	1.7	.7							
(E) 080-100	1.7	1.6	.4							
110-130	1.3	2.3	.2							
140-16	1.6	1.7	2.4	.1						
(S) 170-190	1.	2.2	11.1	4.5	1.1	.1				
200-220	1.2	4.3	5.3	3.5	.2					
230-2	1.	1.5	2.5	.7	.7					
(O) 240-260	.5	.5	.2							
270-310	.5	.3	.3		.1					
320-340	1.3	2.5	2.5	.4	.1					
VARIABLE										
CALC	////////////////////////////////////									
TOTAL	14.2	32.2	36.4	10.7	3.3	.4				

TOTAL NUMBER OF OBSERVATIONS 932

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

APR 79

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 09-11

WIND SPEED IN KNOTS

0-24	25-24	30-34	35-39	40-49	50-54	GE 55	TOTAL %	MEAN WIND	MEDIAN WIND
.2							13.1	7.4	9.0
.3	.3						3.3	10.0	10.0
							4.4	5.4	6.0
							4.1	5.9	6.0
							3.5	5.0	6.0
							5.4	7.0	8.0
1.1	.1						25.9	11.1	11.0
.2							15.6	11.5	12.0
.2							7.3	10.4	10.0
							1.5	5.1	5.0
.1							2.3	3.7	9.0
.1							7.1	1.5	8.0
////////////////////							2.2	////////	
1.0	.4						100.0	9.5	10.0

TOTAL NO OF OBSERVATIONS 230

OPERATING LOCATION "A"
 ISATAC, ACHTVILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
 FROM 100 LY. OBS. VARIATIONS

STATION NUMBER: 713440

STATION NAME: TINKER AFB TX
 EST. TO UTC: + 6

PG-111
 AREA:

WIND SPEED IN KNOTS									
DIRECTION (115-175)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 350-01	1.4	4.7	6.3	1.9	.4				
020-04	1.3	4.3	2.7	.3	.3	.2			
030-070	1.7	1.7	1.1	.2					
(2) 040-100	1.3	1.1	.	.1					
110-130	1.4	2.2	.7						
140-160	.7	2.6	1.4	.3					
(3) 170-190	1.2	5.	6.5	4.1	1.6	.2			
200-220	1.	6.5	2.4	4.1	1.2				
230-250	.	1.	2.2	.3	.3	.1			
(4) 260-280	.	.8	.1	.2	.2		.1		
290-310	1.1	.	1.1	.2					
320-340	1.2	2.2	3.4	1.3					
TOTAL	////////////////////////////////////								
TOTAL	23.7	20.5	39.7	13.2	4.4	.5	.1		

TOTAL NUMBER OF OBS. VARIATIONS: 641

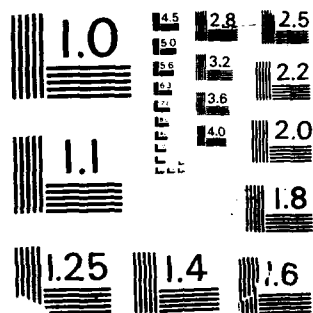
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SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR
LINKER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL JUN 89
USAFETAC/DS-89/207 F/G 4/2

4/8

UNCLASSIFIED

NL



FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM 100-HLY OBSERVATIONS

STATION: 154 14

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: OCT HOURS: 12-14

WIND SPEED IN KNOTS							TOTAL	MEAN WIND	MEDIAN WIND
10-14	25-29	30-34	35-39	40-44	45-49	50-54			
.4							12.6	10.4	10.0
.3	.2						4.1	4.7	4.0
							4.2	5.9	5.0
							3.0	6.1	5.5
							4.2	6.1	6.0
							4.6	6.5	6.0
1.6	.2						22.4	11.7	11.5
1.2							12.4	11.7	12.0
.7	.1						6.1	11.0	10.0
.3		.1					1.9	10.4	7.0
							3.2	7.9	7.5
							3.1	10.1	10.0
////////////////////							1.7	////////////////	
.4	.5	.1					100.0	10.0	10.0

OF OBSERVATIONS 939

OPERATING LOCATION: "A" W
 JSAFAC, ANCHORAGE, AK

PERCENTAGE FREQUENCY OF WIND-BLASED SURFACE WINDS
 FROM 0000Z TO 0000Z 15 JULY 1957

STATION NUMBER: 20340

STATION NAME: LINCOLN AFB
 EST TO UTC: + 6

DATE: 15 JUL 1957
 TIME: 1000Z

DIRECTION (00-359)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 360-011	1.1	4.7	4.1	1.9	.5	.1				
020-031	1.0	3.3	1.9	.1	.2					
040-059	1.	2.7	1.1	.1						
(E) 060-089	1.3	1.4	.2	.1						
090-109	1.7	1.3	.4							
110-139	1.7	2.2	.3	.9						
(S) 140-169	1.7	2.3	12.4	3.4	1.3					
180-209	.3	3.2	4.	1.2	.9					
210-239	1.3	1.9	1.7	.2	.3					
(W) 240-269	.7	.3	.7		.3	.7				
280-309	.3	.3	.3	.2	.1					
320-349	1.1	2.4	3.9	1.2	.2					
.....										
VARIABLE										
CALC	////////////////////////////////////									
TOTAL	14.5	33.7	34.1	9.5	3.4	.3				

TOTAL NUMBER OF OBSERVATIONS 230

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

LINEAR AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 15-17

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
0-24	25-29	30-34	35-39	40-49	50-54	GE 55			
0	.5	.1					15.6	10.1	10.0
.1	.2						7.7	7.5	7.0
.1							5.5	6.2	6.0
.1							3.0	5.9	6.0
							3.4	5.4	4.5
							5.2	7.3	7.0
.1	1.4						25.2	10.9	10.0
	.5						13.5	10.4	10.0
	.2						5.3	8.3	8.0
	.1	.2					1.3	10.9	10.0
.1	.1						1.6	8.1	8.0
	.2						3.5	10.1	10.0
////////////////////////////////////							2.0	////////////////////////////////	
.1	3.4	.3					100.0	9.2	9.0

NUMBER OF OBSERVATIONS 230

OPERATING LOCATION NAME
USAFITAC, ASH VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND IN
FROM MODEL OBSERVATION

STATION NUMBER: 720642

STATION NAME: TUCKER ARB PK
LST TO UTC: + 8

TIME: 11
DATE: 77

.....										
WIND SPEED IN KNOTS										
DIRECTION (0-359)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(a) 360-014	6.0	0.0	0.0	1.0	.4					
015-044	0.4	0.4	1.0	.0	.1					
045-074	.0	1.0	.3							
(b) 075-104	0.0	.0	.2							
105-134	0.1	1.1	1.0							
135-164	0.0	0.0	1.0	.2						
(c) 165-194	0.0	0.0	0.0	.0	.1					
195-224	1.0	0.0	1.0	.2						
225-254	.0	.1								
(d) 255-284	.0	.1	.1							
285-314	.0	.1	.2							
315-344	1.0	1.0	1.0	.1	.2	.1				
.....										
VARIABLE										
////////////////////										
TOTALS	21.0	37.2	10.4	3.0	.0	.1				
.....										
TOTAL NUMBER OF OBSERVATIONS 930										
.....										

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: MX

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 18-20

WIND SPEED IN KNOTS

0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL %	MEAN WIND	MEDIAN WIND
15.5	3.0	7.0												
5.6	7.3	6.0												
4.4	4.6	4.0												
4.0	3.6	3.0												
5.2	5.0	4.0												
12.3	5.4	5.0												
30.9	7.8	7.0												
5.0	7.5	7.5												
.5	4.2	4.0												
.5	4.6	4.0												
1.0	5.4	4.0												
4.7	7.5	5.5												
6.2														
100.0	6.3	6.0												

OF OBSERVATIONS 930

OPERATION LOCATION: WAW
USAFAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRING SURFACE WIND
FROM ALL OBSERVATIONS

STATION NUMBER: 723040

STATION NAME: HANER AFB, NC
EST. IN UTC: + 6

DATE: 10-10-61
TIME: 1000

		WIND SPEED IN KNOTS					
DIRECTION (080-179)		1-4	5-9	10-14	15-19	20-24	25-29
(1) 350-019		2.5	8.1	3.4	.6	.3	
020-049		1.6	2.9	1.4	.		
050-079		1.7	1.7	.9	.1		
(7) 080-119		1.3	1.9				
110-139		3.1	1.9	.4			
140-169		1.4	8.5	1.3	.9		
(3) 170-199		6.9	11.1	11.7	2.0	.2	
200-229		1.3	1.3	1.3	.9		
230-259		.9	.2				
(4) 260-299		.3	.1				
300-319		.3	.1				
320-349		1.3	1.9	.9	.4	.1	
TOTALS		25.7	60.5	21.3	4.9	1.0	

TOTAL NUMBER OF OBSERVATIONS: 930

TRENDY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 3K

PERIOD OF RECORD: MAR 77 - FEB 89
MONTH: OCT HOURS: 21-23

WIND SPEED IN KNOTS

15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	OF 65	TOTAL	MEAN	MEDIAN
										WIND	WIND
0									12.5	3.2	3.0
									7.0	3.3	3.0
									5.1	4.9	4.0
									3.5	4.2	4.0
									5.4	4.4	4.0
									11.9	5.7	5.0
.5									33.5	9.0	9.0
									5.2	8.0	8.0
									.5	4.2	3.0
									1.0	3.0	3.0
									.5	3.1	3.0
.1									4.5	7.5	5.5
									0.0	////////	////////
1.0									100.0	7.0	7.0

NO OF OBSERVATIONS 930

OPERATING LOCATION NAME
USAF STAG, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM ALL OBSERVATIONS

STATION NUMBER: 723340

STATION NAME: TINKLE AFB NC
LST TO UTC: + 6

WIND
DIRECTION

	WIND SPEED IN KNOTS						
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34
(000-044)	3.4	4.3	4.1	1.3	.3	.0	
050-089	1.7	3.0	1.0	.0	.1	.1	
090-139	2.7	3.1	.0	.1			
(140-189)	1.2	1.3	.0	.0			
190-239	.0	1.0	.4				
240-289	2.0	3.0	1.4	.0			
(290-339)	3.1	11.1	11.3	2.0	.7	.0	
340-389	2.0	4.0	3.7	1.0	.8		
390-439	.0	.0	.0	.1	.2	.0	
(440-489)	.0	.0	.0	.1	.1	.0	.0
490-539	.0	.4	.0	.1	.1		
540-589	1.0	2.1	1.7	.0	.1	.0	
VARIABLE							
CALC	////////////////////////////////////						
TOTALS	27.3	35.5	27.1	7.3	2.0	.1	

TOTAL NUMBER OF OBSERVATIONS 7460

INCIDENCE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

40105

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT HOURS: ALL

WIND SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
10-14	15-19	20-24	25-29	30-34	35-39			
						WIND	WIND	WIND
.3	.0					13.1	8.9	8.0
.1	.1					7.4	9.3	8.0
						4.7	5.5	5.0
						3.4	4.9	4.0
						4.4	5.0	4.0
						8.1	6.7	6.0
.7	.0					29.1	9.7	10.0
.2						11.7	9.3	9.0
.2	.0					2.9	8.4	7.0
.1	.0	.0				1.5	7.2	5.0
.2						1.9	7.2	6.0
.1	.0					6.3	8.4	8.0
						5.5	7.0	6.0
.0	.1					100.0	7.0	8.0
OBSERVATIONS						7440		

OPERATING LOCATION: MAW
 ISAF STAC, AND VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF SIGNIFICANT
 FROM JULY 1977 TO JULY 1978

STATION NUMBER: 703-40

STATION NAME: TINKER AIRFIELD
 EST. TO UTC: + 6

STATION
 NUMBER

DATA BY: M. J. HILL, JR. (20) (1) LOSS DATA 1977 (2) LOSS DATA 1978 (3) LOSS DATA 1979
 VISIBILITY OF 1/2 MILE (0-20 METERS) (4) LOSS DATA 1977 (5) LOSS DATA 1978 (6) LOSS DATA 1979

WIND SPEED IN KNOTS

1-9 10-19 20-29 30-39 40-49 50-59 60-69 70-79 80-89 90-99

(0-99.9)

(1) 350-41	1.0	5.0	1.0	1.0	.5				
350-49	1.0	3.0	1.0	.1					
350-59	1.0	3.0	.5						
(2) 350-1	6.0	1.0	.5						
110-137	2.0	1.0	1.1						
140-150	1.0	3.7	2.7	.2					
(3) 170-180	1.0	.3	11.0	.5					
200-210	1.0	3.0	2.0	.5	.5				
230-240	.3	.5	.1	.1					
(4) 260-270	.5		.1						
300-310	.4	.1	.5						
320-330	.5	3.7	9.1	.4	.2	.1			

WAS 12-40

CALC

////////////////////////////////////

TOTALS 20.0 35.8 34.9 3.9 .7 .1

TOTAL NUMBER OF OBSERVATIONS 107

TENDENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM TIDELY OBSERVATIONS

STATION:

PERIOD OF RECORD: MAR 78 - FEB 79

MONTH: OCT HOURS: ALL

WIND WITH VISIBILITY OF 1/2 MILE (0.80 METERS).

WINDS AT LESS THAN 3 MILES (4.80 METERS) WITH CEILING OF 200 FEET.

WIND SPEED IN KNOTS

0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	TOTAL	MEAN	MEDIAN
								WIND		
								17.3	2.6	10.0
								7.5	7.5	7.0
								6.7	5.5	6.0
								7.3	6.4	4.0
								5.5	5.3	5.0
								7.5	7.5	7.0
								22.8	2.7	10.0
								6.7	3.1	5.0
								1.2	7.1	5.0
								.5	3.3	2.0
								.3	6.5	5.0
.2	.1							3.8	12.1	10.0
								4.4		
.7	.1							100.0	7.9	8.0
OBSERVATIONS: 107										

OBSERVATION LOCATION: HAW
 OBSERVATION DATE: 1961

PERCENTAGE FREQUENCY OF OCCURRENCE OF SPECIES
 1-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100

STATE: CALIF. : 07504

STATION NAME: HAWAII
 EST TO HIC: + 5

DATE: 1961

WIND SPEED IN KNOTS									
WIND SPEED (KNOTS)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
(1) 100-110	1.3	4.3	4.3	2.3	.7				
120-130	1.3	1.3	1.3	.1					
140-150	1.3	1.3	.9						
(2) 160-170	.3	.3							
180-190	1.3	.3	.9						
200-210	.3	4.3	2.3	.3					
(3) 220-230	1.3	1.3	1.3	2.3	.3				
240-250	4.3	3.7	2.3	1.3	.3	.1			
260-270	.3	.3	.1						
(4) 280-290	1.3	.3							
300-310	.3	.7	.3	.3	.3				
320-330	.3	1.3	1.3	1.1	.1				
TOTAL									
TOTAL	11.3	19.3	17.1	7.3	1.3	.1			

TOTAL NUMBER OF OBSERVATIONS: 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION: 14 PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: NOV HOURS: 00-02

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-44	45-49	50-54			
.....						14.5	9.7	10.0
.....								
.....								
.....								
.....								
.....						23.2	9.7	10.0
.....								
.....								
.....								
.....								
.....						12.1	9.5	6.0
.....								
.....								
.....								
.....								
.....						4.4	6.7	4.0
.....								
.....								
.....								
.....								
.....						7.5	7.5	6.0
.....								
.....								
.....								
.....								
.....						100.0	7.5	3.0
.....								
.....								
.....								
.....								
.....						900		
.....								
.....								
.....								
.....								

OPERATING LOCATION NAME
USAFETAC, ASH VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND AT
EIGHT HOURLY OBSERVATIONS

STATION NUMBER: 702-40

STATION NAME: TOWER AREA 14
LST TO UTC: + 6

DATE OF
OBSERVATION: 11

		WIND SPEED IN KNOTS									
DIRECTION (000-360)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-
(4) 350-110		1.7	3.9	6.3	2.5	.1					
120-340		1.7	3.9	1.7	.1						
150-070		.7	.	.3							
() 100-170		1.3	.5								
110-130		.7	1.9	.2	.1						
140-160		1.7	1.9	.2	.1						
(8) 170-120		1.3	4.7	13.2	1.5						
200-230		4.1	4.7	3.9	1.4	.7					
230-200		1.7	1.2	.2	.3	.1					
(4) 250-210		1.3	.7								
270-310		2.4	.3	.4	.2						
320-30		1.7	1.7	3.4	.3	.1					
VARIABLE											
CALM		////////////////////////////////////									
TOTAL		23.2	21.1	29.2	7.3	1.0					

TOTAL NUMBER OF OBSERVATIONS 200

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION: 34 PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: NOV HOURS: 03-05

WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
0-24	25-29	30-34	35-39	40-44	45-49	50-54			
.....									
.1							14.6	9.9	10.0
							5.3	7.3	8.0
							2.0	5.1	6.0
							2.3	3.9	4.0
							2.0	5.9	5.0
							5.5	5.7	4.0
							27.6	9.5	10.0
.7							14.4	3.7	7.0
							2.9	7.1	6.0
							1.7	4.7	4.0
							4.3	6.7	4.0
.1							3.4	3.3	9.0
.....									
////////////////////////////////////							7.0	////////////////////////////////	
1.0							100.0	7.7	8.0
OBSERVATIONS							200		
.....									

ORIGINATING LOCATION NAME
JSAFETYAC, ASH-VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF EACH WIND DIRECTION
FROM ALL OBSERVATIONS

STATION NUMBER: 723-60

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

DATE: 10-10-60
TIME: 10

		WIND SPEED IN KNOTS									
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
(N) 350-010		0.7	4.1	7.1	1.0	.3	.3				
020-040		.3	3.2	1.7	.4						
050-080		.7	.9	.6							
(E) 090-120		1.2	1.0								
110-140		1.3	1.0	.5							
140-170		1.0	3.4	1.0	.3	.1					
(S) 170-200		3.0	10.0	10.4	2.0	.3					
200-230		3.2	4.2	2.2	1.2	.4					
230-260		1.1	1.0	1.1	.5						
(W) 260-290		1.1	.7	.7							
290-320		.7	.3	.7	.2						
320-350		0.7	.2	3.4	.1	.1					
VARIABLE											
CALC		////////////////////////////////////									
TOTAL		10.0	32.0	30.0	7.7	1.2	.3				

TOTAL NUMBER OF OBSERVATIONS 100

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 18 PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: 06-06

WIND SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
14	25-29	30-34	35-39	40-49	50-54	55-59	WIND	WIND
0.0	0.3					16.1	10.0	10.0
						5.7	3.9	3.0
						2.1	5.4	5.0
						2.2	4.5	4.0
						2.7	5.1	4.5
						5.4	7.2	6.0
						26.7	9.5	10.0
						12.1	8.6	7.0
						3.5	7.7	6.0
						2.7	6.3	5.0
						1.9	7.8	9.0
						9.4	8.5	8.0
////////////////////						5.1	////////////////	
0.0	0.3					100.0	7.9	8.0
OBSERVATIONS						200		

OPERATING LOCATION "A"
 USARETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
 FROM VISUAL OBSERVATIONS

STATION NUMBER : 723040

STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

PERIOD:
 MONTH:

		WIND SPEED IN KNOTS							
DIRECTION (0130-05)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010		1.5	3.8	6.1	2.6	.9	.2		
020-060		1.2	3.0	2.7	.9				
050-070		1.1	1.5	.4					
(E) 080-100		.9	1.3						
110-130		1.6	.4	1.0					
140-160		.	2.2	1.6	.3				
(S) 170-190		.9	6.7	6.9	4.0	.9	.2		
200-220		1.1	4.5	6.	2.4	2.7			
230-250		1.1	2.	1.3	.4	.4			
(W) 260-280		.6	.7	.8					
290-310		.3	1.3	.3		.2			
320-340		2.7	3.6	3.7	1.1	.6	.9		
TOTALS		13.2	32.7	33.8	12.3	6.7	.6		
TOTAL NUMBER OF OBSERVATIONS		700							

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 14 PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
20-29	30-34	35-39	40-49	50-64	GE 65			
.....								
.2						15.3	11.2	11.0
						7.7	8.8	8.0
						3.1	6.3	5.0
						2.4	5.4	5.0
						2.9	6.3	4.5
						4.9	8.3	8.0
.2						21.6	11.4	11.0
						17.6	12.2	12.0
						5.8	8.6	7.5
						1.9	7.3	6.0
						3.0	8.7	8.0
.2						11.9	10.4	10.0
.....								
////////////////////////////////////						2.0	////////////////////////////////	
.2						100.0	10.0	10.0
OBSERVATIONS 900								
.....								

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

DATE: 11/1/54
TIME: 1200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010	1.5	4.0	7.5	2.9	1.5			
020-080	1.2	1.5	3.1	.4				
090-170	.5	.2	.1					
(7) 180-100	1.1	.7	.1					
110-130	.5	1.2						
140-160	.	1.7	1.2		.1			
(5) 170-120	.5	5.2	5.7	4.4	1.2	.2	.1	
200-220	1.7	5.7	5.7	4.3	2.4	.4		
230-270	.5	1.7	2.2	.8	.5	.1		
(6) 280-250	.2	1.1	1.2	.9	.2			
290-310	1.2	1.5	1.2					
320-340	1.1	2.2	5.2	2.2	.7	.5		
.....								
VARIABLE								
CALC	////////////////////////////////////							
TOTALS	12.2	27.4	35.2	15.1	6.6	1.3	.1	
.....								
TOTAL NUMBER OF OBSERVATIONS 300								
.....								

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: 12-14

SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
25-29	30-34	35-39	40-49	50-54	GE 65	%	WIND	WIND
						17.2	11.3	10.0
						6.3	9.0	10.0
						1.6	5.6	6.0
						1.7	4.6	4.0
						2.0	4.3	5.0
						4.0	7.6	5.0
.2	.1					21.2	11.3	12.0
.4						19.1	12.7	12.0
.1						5.7	11.0	11.0
						3.7	9.5	9.0
						3.6	7.4	7.5
.0						12.7	12.0	12.0
////////////////////						1.1	////////	
1.3	.1					100.0	10.3	10.0
OBSERVATIONS						900		

OPERATING LOCATION "A"
USAFRIAC, APOWILL-AC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM 100%LY OBSERVATIONS

STATION ID: 723543

STATION NAME: TINNER AFB TX
LST TO UTC: + 6

PERIOD:
MONTH: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS								
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(N) 350-010	.3	5.3	8.6	2.3	1.0				
010-040	.2	2.4	1.0	.7					
040-070	.	1.0	.2	.1					
(E) 080-110	1.2	1.0							
110-140	.7	.4							
140-170	1.7	2.4	1.1	.1					
(S) 170-200	2.2	4.7	2.6	3.2	.9				
200-230	2.2	4.4	3.4	1.4	.6	.3			
230-260	1.0	2.7	2.2	.7	.3	.1	.2		
(4) 260-290	.3	1.0	.5						
290-320	1.1	.9	.7	.3	.1				
320-350	2.1	4.1	4.4	1.4	.6	.2			
VARIABLE									
CALC	////////////////////////////////////								
TOTAL	15.2	34.3	32.4	11.3	3.5	.6	.2		

TOTAL NUMBER OF OBSERVATIONS 300

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 18 PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: 15-17

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-54	GE 55			
						18.0	11.0	11.0
						5.6	8.4	8.0
						2.1	6.4	6.0
						2.2	4.4	4.0
						1.1	3.9	3.5
						5.0	7.3	7.0
						25.7	10.4	10.0
.3						12.9	10.1	9.0
.1	.2					7.0	10.2	8.0
						1.0	7.5	6.0
						3.3	8.5	8.0
.2						13.3	10.4	10.0
////////////////////						1.9	////////////////	
.5	.2					100.0	9.6	9.0
OBSERVATIONS						900		

OPERATING LOCATION: WAM
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DAILY OBSERVATIONS

STATION NUMBER: 733640

STATION NAME: LINER AREA
LST TO UTC: + 5

PERIOD:
DATE:

		WIND SPEED IN KNOTS									
DIRECTION (0-359)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(1) 350-359		4.1	5.3	6.4	1.7	.4					
000-009		.1	2.4	1.4	.3	.1					
010-019		2.3	1.7								
(2) 020-029		1.1	.7								
110-119		1.3	.4								
140-149		3.1	3.3	3.1	.4	.1					
(5) 170-179		1.1	13.6	7.1	1.7	.2					
200-209		3.3	1.7	1.1	.1	.1					
230-239		.7	.7	.7	.1						
(4) 260-269		.2	.2		.2	.3					
290-299		.1	.1	.4	.2						
320-329		2.1	2.7	1.7	1.1	.1					
VARIABLE											
CALC		////////////////////////////////////									
TOTAL		25.1	34.6	23.1	5.1	1.3					
TOTAL NUMBER OF OBSERVATIONS 100											

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

INSTR. USED: 04

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: NOV

HOURS: 18-20

WIND SPEED IN KNOTS

17-24	25-32	33-40	41-48	49-56	57-64	65-72	TOTAL	MEAN	MEDIAN
							#	WIND	WIND
.4							18.1	2.9	2.0
.1							5.1	3.4	3.0
							3.3	3.7	4.0
							2.7	3.5	3.0
							2.4	4.1	4.0
.1							2.7	7.0	6.0
.1							25.2	6.5	6.0
.1							4.7	7.2	6.0
							2.1	7.4	7.0
.3							1.7	7.9	6.0
							2.2	7.5	7.0
.1							4.9	8.2	7.0
////////////////////////////////////							5.7	////////////////////////////////	
1.5							106.0	7.1	7.0

NO. OF OBSERVATIONS 130

OPERATING LOCATION: WAM
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE BY SPEED RANGE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 720643

STATION NAME: LINCOLN AFB, TX
EST TO GTC: + 5

OFFICE
DATE:

		WIND SPEED IN KNOTS							
WIND DIRECTION (000-360)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(1) 370-010		3.5	4.3	1.0	2.7	.4			
020-040		1.5	2.5	1.7					
050-080		1.1	1.0						
(2) 090-130		1.7	.3						
110-150		1.3	2.1	.1					
140-180		1.4	4.2	1.1	.1				
(3) 170-210		1.4	.9	11.1	2.9	.1	.1		
220-260		.2	2.7	1.7	1.2	.2			
270-310		.6	.9	.7	.8				
(4) 320-360		1.5	.7	.1	.1		.1		
300-340		1.2	1.3	.4	.4	.1			
320-360		1.2	1.2	1.5	.5	.4	.1		
.....									
VALUABLE									
CALC //////////////////////////////////////////////////////////////////////////////////////////////////////////////////									
TOTAL		24.7	33.5	22.2	6.7	1.9	.5		
TOTAL NUMBER OF OBSERVATIONS: 100									
.....									

FREQUENCY OF OCCURRENCE SHEARWIND DIRECTION VERSUS WIND SPEED FROM HOURLY OBSERVATIONS

STATION: 4571R

PERIOD OF RECORD: MAR 79 - FEB 80

UNIT: KNOTS HOURS: 21-23

WIND SPEED IN KNOTS

20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL %	MEAN WIND	MEDIAN WIND
								15.9	9.5	10.0
								5.0	7.6	8.0
								3.1	4.0	3.5
								2.7	4.0	3.5
								5.1	4.6	4.0
								3.3	7.0	7.0
.1	.1							27.0	10.0	10.0
.2								9.7	7.9	6.0
								1.9	5.9	5.0
	.1							2.1	5.7	5.0
.1								3.6	7.8	5.5
.9	.1							7.0	6.9	8.0
////////////////////////////////////									7.9	////////////////////////////////
1.7	.3							100.0	7.6	7.0
NO DATA AVAILABLE FOR										

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WETTING
FROM JULY 1975 RAINFALL

STATION NAME : TUCKER AFB AL
LIST TO BIC: + 6

DATE: _____

WIND SPEED IN KNOTS

DATE: 1-6 1-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44 5

(195-105)

(7)	350-010	2.3	4.4	5.3	2.3	.7	.1
	350-140	1.1	2.5	2.0	.0	.0	
	350-070	1.4	1.1	.3	.0		
(8)	340-100	1.3	.0	.0			
	110-100	1.0	.0	.0	.0		
	100-100	0.0	3.0	1.4	.3	.0	
(9)	170-100	0.0	3.3	10.3	2.0	.0	.0
	200-210	.0	3.0	3.0	1.0	1.0	.1
	330-200	.0	1.0	.0	.0	.2	.0
(10)	200-200	.0	.7	.4	.1	.1	.0
	300-310	1.0	1.0	.7	.3	.1	
	120-340	0.0	0.0	5.3	1.2	.1	.1

[illegible]

2000

TOTALS	100.0	100.0	100.0	100.0	100.0	100.0
--------	-------	-------	-------	-------	-------	-------

TOTAL NUMBER OF OBSERVATIONS 7200

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION AFB 34

PERIOD OF RECORD: MAY 79 - FEB 89
MONTH: NOV HOURS: ALL

WIND SPEED IN KNOTS						TOTAL	MEAN	MEDIAN
00-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND
.7	.1						16.2	10.2
							5.0	4.3
							2.7	5.3
							2.2	4.3
							2.2	5.0
							6.7	7.1
.7	.1	.2					25.5	10.0
1.2	.1						13.3	9.9
.2	.2	.2					3.8	5.9
.1	.2						2.1	7.2
.1							3.3	7.5
.1	.1						10.0	9.6
						5.7	////////	
2.9	.4						100.0	8.6
TOTAL OF OBSERVATIONS						7200		

OPERATING LOCATION NAME
USARFAC, ACHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM 4 DIRECTIONAL OBSERVATIONS

STATION NUMBER: 723443

STATION NAME: TINKER ARMY AIR
LST TO UTC: + 5

DATE:
MONTH:

CATEGORY A: WINDS OF 200 BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MI
AND/OR
VISIBILITY OF 1/2 MILE (800 METERS) BUT LESS THAN 3 MILES (4800

		WIND SPEED IN KNOTS							
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-40
(0-345°)									
(1) 350-310		1.	5.1	16.1	6.4	1.1			
310-270		1.2	5.5	6.2	1.3				
270-230		1.	1.1	.7					
(2) 230-190		1.4	.9						
190-150		1.7	.5	.1					
150-110		1.	3.2	1.4	.1				
(3) 110-70		.5	3.7	4.1	2.2	.2			
70-30		.5	1.7	4.2	.5				
30-345		.7	.4	.5	.9			.1	
(4) 345-310		.4	.7	.1		.1			
310-270		.2	.5	.7	.2	.1			
270-230		.5	2.7	4.0	1.4	.4	.1		

VARIABLES

CALC

TOTALS

13.6 26.6 43.1 12.4 1.9 .1 .1

TOTAL NUMBER OF OBSERVATIONS 1038

BASE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
+ 10

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: ALL

.....
WIND 1500 FEET WITH VISIBILITY GE 1/2 MILE (0900 METERS).
WIND 100 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.
.....

WIND SPEED IN KNOTS

0-10	10-24	25-29	30-34	35-39	40-49	50-54	GE 55	TOTAL	MEAN	MEDIAN
									WIND	WIND
0.4	1.1							30.6	11.9	12.0
1.3								14.9	9.0	9.5
								3.7	5.6	4.5
								2.3	4.3	4.0
								2.6	3.4	4.0
.1								6.0	6.9	6.0
1.1	.2							15.4	11.2	12.0
.5								7.1	10.6	11.0
.9			.1					2.5	6.6	6.0
	.1							1.3	7.2	7.0
.2	.1							1.3	9.3	10.0
1.6	.6	.1						9.1	11.2	11.0
.....										
////////////////////////////////////								2.2	////////////////////////////////	
1.4	1.9	.1	.1					100.0	9.6	10.0

NUMBER OF OBSERVATIONS 1088
.....

OPERATING LOCATION: "A"
 ISAFETAG, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 723040

STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

2. 211,
 MONTH:

DIRECTION (000-115)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-59
(4) 000-010	2.2	7.1	5.7	3.0	.9					
020-040	1.4	3.7	2.5	.9	.2					
050-070	1.3	1.1	.5	.1						
(7) 080-100	1.5	.5	.1							
110-130	1.7	.5								
140-160	1.2	1.2	.5							
(5) 170-190	3.5	3.1	2.3	2.4	.5					
200-220	3.5	3.9	3.7	1.1	.4					
230-250	.5	.2	.	.1						
(4) 260-280	.3	1.1	.2							
290-310	1.5	.4	.4	.2						
320-340	2.2	2.5	1.5	1.3	.2					
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	21.3	33.2	24.3	9.1	2.3					

TOTAL NUMBER OF OBSERVATIONS: 930

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

NA-2 AFB OK

PERIOD OF RECORD: MAR 72 - FEB 89
MONTH: DEC HOURS: 00-02

WIND SPEED IN KNOTS

00-24	25-29	30-34	35-39	40-49	50-54	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
0							18.9	10.2	10.0
10							8.5	8.9	8.0
							3.0	6.1	5.0
							2.3	4.1	3.0
							2.4	4.0	3.5
							2.9	5.0	5.0
50							23.2	9.5	10.0
40							14.5	8.2	7.0
							2.5	7.5	6.0
							2.0	5.2	5.0
							2.6	5.7	3.0
20							7.7	8.1	8.0
////////////////////////////////////							9.4	////////////////////////////////	
20							100.0	7.8	8.0

NO OF OBSERVATIONS 930

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: DEC HOURS: 03-05

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
						19.9	9.9	10.0
						10.5	9.4	9.0
						2.5	4.1	4.0
						1.3	4.1	5.0
						2.0	4.4	4.0
						3.3	5.2	5.0
						20.9	9.9	10.0
						14.0	8.2	7.0
						2.9	5.7	5.0
						1.8	5.1	5.0
						3.4	5.3	4.5
						7.3	9.0	5.5
////////////////////						9.2	////////////////	
						100.0	7.3	3.0

HOURLY OBSERVATIONS 930

OPERATING LOCATION: MAW
USAFETAC, ASH VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 722540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29
(1) 350-010	4.2	5.2	5.2	3.9	1.4	.1
020-040	1.1	3.0	2.2	.7	.4	
050-070	1.4	1.1	.8			
(2) 080-100	1.4	.5				
110-130	1.4	1.5	.1			
140-160	1.4	1.4	.3	.1		
(3) 170-190	1.4	6.3	5.2	2.2	.4	
200-220	1.4	4.9	3.3	1.3	.9	
230-250	.3	1.3	.7	.1		
(4) 260-280	.1	1.1	.2			
290-310	1.4	1.2	.5	.2		
320-340	.4	3.2	2.0	.5		
VARIABLE						
CALM	////////////////////////////////////					
TOTALS	22.5	33.2	25.2	2.9	2.7	.1

TOTAL NUMBER OF OBSERVATIONS 730

OF FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: DEC HOURS: 06-08

WIND SPEED IN KNOTS

10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54	55-59	TOTAL %	MEAN WIND	MEDIAN WIND
		1.4	.1						21.6	10.2	10.0
		.4							7.4	9.6	9.0
									3.0	6.8	6.0
									2.0	4.2	4.0
									3.1	4.4	5.0
									3.5	6.0	6.0
		.4							13.7	10.5	10.0
		.7							14.6	8.7	8.0
									2.7	7.2	7.0
									1.4	6.9	6.0
									3.6	6.5	6.0
									9.5	7.0	6.0
////////////////////////////////////										8.4	////////////////////////////////
		2.7	.1						100.0	8.0	8.0

NUMBER OF OBSERVATIONS 030

OPERATING LOCATION NAME
USAF-FAO, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB TX
LST TO UTC: + 6

DATE:
TIME:

DIRECTION (0-359)	WIND SPEED IN KNOTS					
	1-4	5-9	10-14	15-19	20-24	25-29
(0) 350-310	2.0	0.0	7.4	4.4	1.7	.1
020-340	1.7	2.0	3.4	1.0	.5	
050-370	1.0	1.7	.0			
(1) 080-100	1.4	.0	.0			
110-130	1.3	1.4				
140-160	.0	1.0	.0	.1		
(2) 170-190	1.0	4.7	1.0	3.0	.0	
200-220	1.4	4.1	4.0	2.0	.0	
230-250	.0	3.1	1.0	.0	.1	
(3) 260-280	.0	1.0	.0			
290-310	.0	1.0	1.0	.1		
320-340	1.0	4.0	1.0	1.1	.0	
VARIABLE						
CALC	////////////////////////////////////					
TOTALS	10.0	33.1	31.1	13.1	4.0	.1
TOTAL NUMBER OF OBSERVATIONS 950						

ALENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

LAKE WABAK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: DEC HOURS: 09-11

WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-54	55-59	TOTAL %	MEAN WIND	MEDIAN WIND
1.7	.1						22.3	11.4	11.0
.5							3.5	9.3	10.0
							4.4	5.1	5.0
							2.6	5.5	4.0
							2.7	4.6	5.0
							3.3	7.4	7.0
.1							19.2	11.5	12.0
.1							13.7	10.9	11.0
.1							5.0	6.6	5.0
							1.3	7.5	7.0
							2.6	7.5	7.0
.2							9.0	9.2	8.0

//////////////////////////////////// 2.9 //////////////////////////////////
 9.9 .1 100.0 9.7 10.0

NO. OF OBSERVATIONS 930

OPERATIONAL LOCATION: "A"
 USAF STAG, ARMYVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF OFF-PAGE
 FROM JULY 1 TO JULY 15

STATION NAME: 72040

STATION NAME: LINKS 475 M
 LST TO UTC: + 6

WIND
 DIR

WIND SPEED IN KNOTS										
WIND DIRECTION (000-360)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	
(N) 360-010	1.5	5.2	7.4	4.9	2.3	.1				
020-040	.1	2.3	3.4	1.0	.1					
050-070	1.5	.	.6							
(E) 080-110	1.2	.7	.1							
110-140	1.2	.5	.2							
140-160	.	.6	.3	.1						
(S) 170-190	1.1	4.4	1.1	3.7	1.1					
200-220	1.7	4.4	5.2	3.5	.2	.1				
230-250	1.	1.5	1.2	.5						
(W) 260-2	.3	1.2	.1	.2						
230-310	1.2	.5	1.1	.3						
320-340	1.2	2.2	2.5	1.4	.4					
.....										
VARIABLE										
CALC	////////////////////////////////////									
TOTALS	15.1	25.3	33.3	16.2	4.5	.2				

TOTAL NUMBER OF OBSERVATIONS 340

FREQUENCY OF OCCURRENCE- SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

SPEED		PERIOD OF RECORD: MAR 79 - FEB 80										
		MONTH: DEC HOURS: 12-14										
.....												
WIND SPEED IN KNOTS												
10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64		
.....												
										TOTAL	MEAN	MEDIAN
										"	WIND	WIND
.....												
0.0										23.4	12.2	12.0
0.1										7.5	10.0	10.0
										3.4	5.2	4.0
										2.0	4.5	4.0
										3.0	3.9	3.5
										1.7	5.4	5.0
0.1										14.4	11.6	12.0
0.2										15.1	11.2	10.0
										4.2	3.5	4.0
										3.5	7.3	7.5
										2.2	4.2	7.0
0.4										9.1	9.5	9.0
.....												
////////////////////////////////////										3.6	////////////////////////////////	
0.5										100.0	9.9	10.0
.....												
OBSERVATIONS 930												
.....												

OPERATING LOCATION: WAM
USARCTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723549

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

STATION
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(4) 350-010	1.2	5.3	2.3	5.7	1.1	.1		
020-040	1.5	2.5	2.5	1.1	.2			
050-070	1.5	1.7			.1			
(5) 070-100	1.2	1.3						
110-140	1.1	.4						
140-160	1.2	1.4	.5					
(8) 170-190	2.4	3.7	4.9	3.0	.4			
200-220	1.2	2.5	2.7	1.3	.2			
230-250	.1	2.4	1.1	.3	.1			
(6) 260-280	1.1	.1	.1	.2				
290-310	1.1	.5	.4	.1	.1			
320-340	1.7	3.3	3.7	1.3	.1			
VARIABLE								
CALC	////////////////////////////////////							
TOTALS	15.3	32.2	32.3	13.0	3.0	.1		

TOTAL NUMBER OF OBSERVATIONS 230

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION: JR PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: DEC HOURS: 15-17

SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
.1						22.7	11.3	12.0
						3.2	9.5	9.5
						3.3	5.7	5.0
						2.5	5.0	5.0
						1.3	4.4	4.0
						3.2	5.3	5.0
						20.4	10.3	10.0
						15.1	9.2	10.0
						4.4	3.4	3.0
						2.5	7.5	7.5
						2.3	7.1	5.0
						10.1	9.2	9.5
////////////////////						3.2	////////////////	
.1						100.0	9.3	9.5

ELEVATIONS 930

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DUPLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS									
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	
(N) 050-010	1.4	2.0	3.3	3.0	1.3					
020-040	1.5	3.2	1.7	1.3						
050-070	1.7	1.1	.1							
(E) 080-100	2.3	.3	.1							
110-130	1.3	.5								
140-160	1.4	3.2	.2							
(S) 170-190	4.4	9.4	7.5	1.9						
200-220	4.2	4.0	3.3	.5						
230-250	.1	.2	.3							
(W) 260-280	.3	.3	.1							
290-310	.3	.5	.1	.1						
320-340	1.7	2.7	1.3	1.2	.2					
.....										
UNDETER										
CALC	////////////////////////////////////									
TOTALS	26.0	33.7	21.2	8.0	1.5					
.....										
TOTAL NUMBER OF OBSERVATIONS 410										
.....										

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM DOUPLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 13-20

WIND SPEED IN KNOTS

24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
0.3							22.0	10.0	9.0
							7.8	8.6	8.0
							2.9	4.6	4.0
							3.1	3.9	4.0
							2.4	3.5	2.0
							6.7	4.3	4.0
							22.3	8.9	8.0
							11.7	7.0	6.0
							1.2	6.3	4.0
							1.3	4.3	4.0
							1.6	5.9	4.0
							9.5	8.2	7.0
////////////////////							3.4	////////	
0.6							100.0	7.3	7.0

DOUPLY OBSERVATIONS 930

OPERATING LOCATION: "A"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD: 1
MONTH: 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(N) 350-010	2.8	5.2	7.5	3.4	1.0			
020-040	2.5	3.1	2.7	.3	.3			
050-070	1.5	1.2	.2					
(E) 080-100	1.5	1.2	.1					
110-130	1.1	.6						
140-160	1.7	2.0	.2					
(S) 170-190	2.3	9.2	10.2	1.7	.6	.1		
200-220	3.0	5.1	2.6	.3	.3			
230-250	.6	.5	.4	.2				
(W) 260-280	1.1	.4	.2	.2				
290-310	.3	.1		.1				
320-340	1.5	3.1	1.7	.4	.3			
VARIABLE								
CALM	////////////////////////////////////							
TOTALS	21.7	33.0	25.6	6.5	2.5	.1		
TOTAL NUMBER OF OBSERVATIONS 930								

1. OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 2. HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: DEC HOURS: 21-23

3. IN KNOTS

4. 30-34 35-39 40-49 50-64 GE 65 TOTAL MEAN MEDIAN
 5. % WIND WIND

21.0 10.6 10.0

2.9 4.2 8.0

3.0 5.6 4.0

2.9 4.5 4.0

1.7 3.9 4.0

4.0 5.0 5.0

24.7 9.7 10.0

12.2 7.4 7.0

1.2 7.5 6.0

1.9 5.3 4.0

.8 5.6 4.0

7.2 6.7 6.0

9.8

100.0 7.4 8.0

6. OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

		WIND SPEED IN KNOTS					
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34
(DEGREES)							
(N) 350-010	2.5	5.5	7.0	4.0	1.3	.1	
020-040	1.4	2.0	2.3	1.0	.3		
050-070	1.4	1.2	.3	.0	.0		
(E) 080-100	1.4	.9	.1				
110-130	1.	.9	.0				
140-160	1.7	1.5	.4	.1			
(S) 170-190	2.2	6.7	3.7	2.6	.6	.0	
200-220	2.5	5.1	4.1	1.9	.9	.0	
230-250	.8	1.5	.8	.3	.0		
(W) 260-280	.0	.5	.0	.1			
290-310	1.1	.7	.0	.0	.0		
320-340	2.2	3.3	2.2	1.0	.3		
VARIABLE							
CALM	////////////////////						
TOTALS	27.1	32.1	27.2	10.4	3.0	.1	

TOTAL NUMBER OF OBSERVATIONS 7440

PERCENTAGE OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: 14 PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: ALL

WIND SPEED IN KNOTS						TOTAL %	MEAN WIND	MEDIAN WIND
25-29	30-34	35-39	40-49	50-64	GE 65			
.1						21.5	10.8	10.0
						8.6	9.3	9.0
						3.2	5.5	4.0
						2.4	4.5	4.0
						2.4	4.1	4.0
						3.6	5.3	5.0
.2						21.0	10.2	10.0
.3						14.0	9.1	8.0
						3.4	5.0	7.0
						2.0	6.5	6.0
						2.5	6.5	5.0
						8.6	8.7	8.0
.4						5.8	8.4	8.0
.5						100.0	8.4	8.0

OBSERVATIONS 7440

OPERATING LOCATION: WAM
USAFENTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM 4000LY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

CATEGORY A: WINDING OF 200 BUT LESS THAN 1600 FEET WITH VISIBILITY OF 1/2 MI
AND/OR
VISIBILITY OF 1/2 MILE (0400 METERS) BUT LESS THAN 3 MILES (4800

WIND SPEED IN KNOTS

DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49
(1) 350-010	1.5	7.5	11.4	6.5	2.2	.1			
020-040	1.5	3.3	5.4	2.2	.3				
050-070	1.5	3.1	.5	.1					
(2) 080-100	1.5	1.2	.2						
110-130	.9	1.3	.2						
140-160	1.2	1.1	.4	.1					
(3) 170-190	1.2	3.7	9.3	3.7	.6				
200-220	.5	1.5	3.3	1.5	.7				
230-250	.2	1.4	.4	.2					
(4) 260-280	.3	.5	.1	.1					
290-310	.3	.5	.7	.1	.1				
320-340	.2	2.3	2.2	1.7	.2				

VARIABLE

CALL

TOTALS 11.5 27.9 35.9 15.8 4.1 .1

TOTAL NUMBER OF OBSERVATIONS 1302

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: DEC HOURS: ALL

.....
1000 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS).

.....
2000 FEET BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING OF 200 FEET.

.....
WIND SPEED IN KNOTS

0-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
							%	WIND	WIND
0.2	.1						29.5	12.0	12.0
.3							13.2	11.0	11.0
							5.8	6.5	6.0
							2.9	5.4	4.5
							2.4	4.9	5.0
							2.5	5.2	5.0
.5							18.4	11.7	12.0
.7							8.1	11.3	12.0
							2.2	8.2	8.0
							1.1	5.7	5.0
.1							1.5	9.3	10.0
.2							8.5	10.7	10.0

.....
//////////////////// 3.8 //////////////////////////////////
4.1 .1 100.0 10.2 10.0

.....
TOTAL OF OBSERVATIONS 1302
.....

OPERATING LOCATION NAME
USAFSTAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
FROM DAILY OBSERVATIONS

STATION NUMBER: 72340

STATION NAME: LINCOLN AFB TX
LST TO UTC: + 6

DATE
1967

DIRECTION (00-359°)	WIND SPEED IN KNOTS							
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39
(H) 350-010	2.4	4.2	4.3	1.7	.5	.1	.0	
020-040	1.0	2.0	1.0	.4	.1	.0	.0	
050-070	1.0	1.7	.0	.6	.5			
(S) 070-100	1.0	1.4	.3	.1	.0			
110-130	2.4	1.0	.3	.0	.0			
140-160	2.4	2.0	1.0	.0	.0	.0		
(S) 170-190	2.7	11.1	4.7	2.0	.5	.0	.0	
200-220	2.0	4.0	4.3	1.7	.0	.0	.0	
230-250	.0	1.0	1.0	.3	.1	.0	.0	
(N) 260-280	.0	.7	.0	.1	.0	.0	.0	
290-310	.0	.0	.4	.1	.0	.0		
320-340	1.0	1.0	1.0	.7	.0	.0	.0	
VARIABLE								
CALC	////////////////////////////////////							
TOTALS	21.7	25.7	25.7	6.0	2.1	.1		

TOTAL NUMBER OF OBSERVATIONS: 57000

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION: ADELAK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS

10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-54	GE 65	TOTAL	MEAN	MEDIAN
									%	WIND	WIND
.5	.1	.0							13.3	9.7	10.0
.1	.0	.0							6.4	6.0	6.0
.0									4.0	5.7	5.0
.0									3.7	5.1	4.0
.1									4.0	4.0	4.0
.0	.0								5.0	6.4	5.0
.0	.0	.0							25.0	9.5	7.0
.0	.0	.0							13.2	7.7	9.0
.1	.0	.0							3.5	5.5	5.0
.0	.0	.0							1.7	7.2	5.0
.0	.0								1.0	7.0	5.0
.0	.0	.0							5.1	5.5	5.0

5.3

2.1

.1

100.0

7.9

5.0

NO. OF OBSERVATIONS: 87656

OPERATING LOCATION: "A"
 ISAPITAC, ASPH VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND
 FROM DIRECTION OBSERVATIONS

STATION NUMBER: 72340

STATION NAME: TINKER ARB
 EST TO UTC: + 6

UNIT:
 MINUTE

DATE: 04-01-57 0000 BUT LESS THAN 1900. 0000 WITH VISIBILITY 1/2 MILE
 AND/OR

VISIBILITY 1/2 MILE (0000 METERS) BUT LESS THAN 3 MILES (4800

AND SPEED 14 KNOTS

DIRECTION: 1-4 5-9 10-14 15-19 20-24 25-29 30-34 35-39 40-44

(05-09)

(1) 050-010 1.2 6.7 11.7 8.2 1.5 .2 .2

020-040 1.2 4.1 4.2 1.2 .1 .2

030-050 1.2 2.4 .2 .1 .2

(2) 060-110 1.2 1.6 .2 .2

110-130 1.2 2.1 .7 .1 .2

140-160 1.2 3.2 1.7 .3 .2

(3) 170-190 1.2 4.3 .3 2.7 .4 .2

200-220 .2 1.2 1.1 1.1 .2 .2

230-250 .4 .2 .3 .1 .2 .2 .2

(4) 260-310 .4 .4 .1 .0 .0 .0 .0

320-340 .2 .4 .4 .1 .1 .2

350-360 .2 2.1 2.1 1.2 .2 .1

VARIABLE

CAL: //////////////////////////////////////

TOTALS 18.0 31.4 34.1 12.1 3.0 .3

TOTAL NUMBER OF OBSERVATIONS: 8714

FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM FLIGHT OBSERVATIONS

STATION: ARL 13

PERIOD OF RECORD: MAR 77 - FEB 89
MONTH: ALL HOURS: ALL

1000 FEET WITH VISIBILITY OF 1/2 MILE (8000 METERS).

WINDS OUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS

10-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	TOTAL	MEAN	MEDIAN
									WIND	DIR
1.8	.2	.0						27.4	11.5	12.0
.1	.0							11.3	9.1	9.0
.0								5.3	6.5	6.0
								4.8	6.1	5.0
.0								4.7	6.1	6.0
.								5.0	7.3	8.0
.6	.0							17.2	11.1	11.0
.0	.0							6.2	10.4	10.0
.	.0	.0						1.7	9.4	7.0
.0	.0	.0						1.0	7.7	6.0
.1	.0							1.4	9.7	7.0
.0	.1							8.2	10.3	10.0

//////////////////////////////////// 4.1 //////////////////////////////////
3.0 .3 100.0 9.4 10.0

NO. OF OBSERVATIONS: 9714

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARY

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF)
CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A
OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM 2
"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY C
(METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES.
TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, TO
DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR
AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY
TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP
CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN. (TO
DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW.)
DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN LIMIT OR
THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING
COLUMN.

NOTE 1: IN JANUARY 1984, METAR STATIONS BEGAN REPORTING
MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING HIGHER
THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = 5,280 FEET
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE

SKY COVER--PERCENT OCCURRENCE FREQUENCY.
ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS
OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS (1
AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY BROKEN
DISCOURAGED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS
POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 5/10).
SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REP

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).
ATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION
SS PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--
1, "CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES
TERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE
LES SUMMARIZE THE DATA AS FOLLOWS:

BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO
THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING
VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION.
PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE
ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY).
GIVEN VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS).
THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING
AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY

IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 5 STATUTE
MILES (8000 METERS). VALUES EXCEEDING 8000 METERS ARE REPORTED AS "9999."

FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER
8000 FEET APPEAR IN THE 5000 FEET CLASS.

NOTE: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

--PERCENT OCCURRENCE FREQUENCY.
ATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE
NCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT
CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY
LISHED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES
SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE
AS FOR PREVIOUS TABLE.

THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	65.6	65.6	67.0	67.1	67.2	67.2	67.3	67.3	67.4	67.4
GE 20000	62.2	62.2	62.6	62.7	62.8	62.8	62.9	62.9	70.0	70.0
GE 18000	62.0	62.0	62.6	62.7	62.8	62.8	62.9	62.9	70.0	70.0
GE 16000	62.0	62.0	62.6	62.7	62.8	62.8	62.9	62.9	70.0	70.0
GE 14000	62.0	62.0	62.6	62.7	62.8	62.8	62.9	62.9	70.0	70.0
GE 12000	62.0	62.0	62.6	62.7	62.8	62.8	62.9	62.9	70.0	70.0
GE 10000	72.0	73.1	73.3	73.3	74.1	74.1	74.2	74.2	74.3	74.3
GE 9000	72.0	73.1	73.3	73.3	74.1	74.1	74.2	74.2	74.3	74.3
GE 8000	73.5	74.6	75.3	75.4	75.6	75.6	75.7	75.7	75.8	75.8
GE 7000	73.6	74.8	75.5	75.7	75.7	75.9	75.9	75.9	75.9	75.9
GE 6000	74.6	75.1	75.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 5000	74.6	75.7	76.5	76.5	76.9	76.9	77.0	77.0	77.1	77.1
GE 4500	75.7	76.4	77.5	77.5	78.0	78.0	78.1	78.1	78.2	78.2
GE 4000	76.7	77.7	78.5	78.5	78.9	78.9	79.0	79.0	79.1	79.1
GE 3500	77.0	78.1	79.0	79.2	79.6	79.6	79.7	79.7	79.8	79.8
GE 3000	77.7	78.8	79.4	80.0	80.3	80.3	80.4	80.4	80.5	80.5
GE 2500	79.2	79.2	80.4	80.6	81.0	81.0	81.1	81.1	81.2	81.2
GE 2000	79.9	80.3	81.5	81.8	82.2	82.2	82.3	82.3	82.4	82.4
GE 1800	79.5	81.0	82.2	82.5	82.8	82.8	82.9	82.9	83.0	83.1
GE 1600	81.5	83.0	84.2	84.5	84.9	84.9	85.1	85.1	85.2	85.3
GE 1400	83.1	84.5	85.9	86.3	86.8	86.8	86.9	86.9	87.0	87.1
GE 1200	84.0	85.7	87.2	87.6	88.1	88.1	88.3	88.3	88.4	88.5
GE 1000	84.5	86.2	87.8	88.4	88.8	88.8	89.0	89.0	89.1	89.2
GE 900	84.5	86.7	88.3	88.8	89.2	89.2	89.5	89.5	89.7	89.7
GE 800	85.1	87.4	89.0	89.7	90.1	90.1	90.5	90.5	90.8	90.8
GE 700	85.1	87.4	89.2	90.2	90.6	90.6	91.2	91.2	91.3	91.4
GE 600	85.1	87.4	89.2	90.2	90.6	90.6	91.2	91.2	91.3	91.4
GE 500	85.3	87.6	89.3	90.3	91.4	91.4	92.4	92.4	92.5	92.5
GE 400	85.4	87.7	90.5	92.5	93.0	93.2	94.5	94.5	94.6	95.1
GE 300	85.5	88.0	90.8	92.7	93.4	93.7	95.2	95.5	95.5	96.1
GE 200	85.5	88.0	90.8	92.9	93.4	93.7	95.2	95.5	95.8	96.1
GE 100	85.5	88.0	90.8	92.9	93.4	93.7	95.2	95.5	95.8	96.1
GE 000	85.5	88.0	90.8	92.9	93.4	93.7	95.2	95.5	95.8	96.1

TOTAL NUMBER OF OBSERVATIONS 930

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JAN HOURS: 00-02

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VISIBILITY IN STATUTE MILES											
CEILING	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	0
.....											
67.0	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.6	67.6	67.6	67.6
69.0	69.9	69.9	70.0	70.0	70.1	70.1	70.2	70.3	70.3	70.3	70.3
70.0	70.4	70.4	70.5	70.5	70.6	70.6	70.7	70.8	70.9	70.9	70.9
71.0	70.9	70.9	71.0	71.0	71.1	71.1	71.2	71.3	71.3	71.3	71.3
74.0	74.2	74.2	74.3	74.3	74.4	74.4	74.5	74.6	74.6	74.6	74.6
75.0	75.7	75.7	75.8	75.8	75.9	75.9	76.0	76.1	76.1	76.1	76.1
76.0	76.2	76.2	76.3	76.3	76.5	76.5	76.6	76.7	76.7	76.7	76.7
77.0	77.0	77.0	77.1	77.1	77.2	77.2	77.3	77.4	77.4	77.4	77.4
78.0	78.1	78.1	78.2	78.2	78.3	78.3	78.4	78.5	78.5	78.5	78.5
79.0	79.0	79.0	79.1	79.1	79.2	79.2	79.4	79.5	79.5	79.5	79.5
80.0	80.4	80.4	80.5	80.5	80.6	80.6	80.8	80.9	80.9	80.9	80.9
81.0	81.1	81.1	81.2	81.2	81.3	81.3	81.4	81.5	81.5	81.5	81.5
82.0	82.3	82.3	82.4	82.5	82.6	82.6	82.7	82.8	82.8	82.8	82.8
83.0	82.9	82.9	83.0	83.1	83.2	83.2	83.3	83.4	83.4	83.4	83.4
84.0	85.1	85.1	85.2	85.3	85.4	85.4	85.5	85.6	85.6	85.6	85.6
87.0	86.9	86.9	87.0	87.1	87.2	87.2	87.3	87.4	87.4	87.4	87.4
88.0	88.3	88.3	88.4	88.5	88.6	88.6	88.7	88.8	88.8	88.8	88.8
89.0	89.0	89.0	89.1	89.2	89.4	89.4	89.5	89.6	89.6	89.6	89.6
90.0	89.6	89.6	89.7	89.8	89.9	89.9	90.0	90.1	90.1	90.1	90.1
91.0	90.5	90.5	90.6	90.8	90.9	90.9	91.0	91.1	91.1	91.1	91.1
92.0	91.2	91.2	91.3	91.4	91.5	91.5	91.6	91.7	91.7	91.7	91.7
93.0	92.4	92.4	92.5	92.8	92.9	92.9	93.0	93.1	93.2	93.2	93.2
94.0	94.5	94.5	94.6	95.2	95.3	95.4	95.7	95.8	95.9	95.9	95.9
95.0	95.2	95.5	95.6	96.2	96.3	96.5	96.8	96.9	97.0	97.1	97.1
96.0	95.2	95.6	95.8	96.7	97.0	97.2	97.6	97.7	97.8	98.0	98.0
97.0	95.2	95.6	95.8	96.7	97.0	97.2	98.1	98.6	99.0	99.2	99.2
98.0	95.2	95.6	95.8	96.7	97.0	97.2	98.1	98.6	99.0	100.0	100.0
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OPERATING LOCATION NAME
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	61.2	63.1	63.5	63.9	64.3	64.3	64.5	64.5	64.5	64.5
GE 20000	65.3	66.2	67.4	68.0	68.4	68.4	68.5	68.5	68.5	68.5
GE 18000	65.2	66.2	67.4	68.0	68.4	68.4	68.5	68.5	68.5	68.5
GE 16000	65.3	66.2	67.4	68.0	68.4	68.4	68.5	68.5	68.5	68.5
GE 14000	65.3	66.2	67.4	68.0	68.4	68.4	68.5	68.5	68.5	68.5
GE 12000	65.1	67.7	68.3	68.8	68.2	69.2	69.5	69.5	69.5	69.5
GE 10000	67.0	70.6	71.2	71.7	72.2	72.2	72.4	72.4	72.4	72.4
GE 9000	68.1	72.7	71.3	71.3	72.3	72.3	72.5	72.5	72.5	72.5
GE 8000	70.5	72.2	72.7	73.2	73.7	73.7	73.9	73.9	73.9	74.0
GE 7000	70.5	72.3	72.6	73.3	73.4	73.8	74.0	74.0	74.0	74.1
GE 6000	71.2	72.8	73.1	73.7	74.1	74.1	74.3	74.3	74.3	74.4
GE 5000	71.5	73.3	73.9	74.5	74.7	74.8	75.1	75.1	75.1	75.1
GE 4500	71.9	73.7	74.2	74.7	75.2	75.2	75.4	75.4	75.4	75.5
GE 4000	73.8	73.8	75.1	75.7	77.1	77.1	77.3	77.3	77.3	77.4
GE 3500	74.3	75.1	76.7	77.2	77.7	77.7	78.1	78.1	78.1	78.1
GE 3000	75.1	76.9	77.4	78.1	78.5	78.6	78.9	78.9	78.9	79.0
GE 2500	75.7	77.5	78.1	78.7	79.4	79.4	79.7	79.7	79.8	79.8
GE 2000	75.7	78.1	78.7	79.4	80.1	80.1	80.5	80.5	80.5	80.5
GE 1800	75.8	78.5	79.2	79.9	80.5	80.5	81.1	81.2	81.2	81.2
GE 1600	78.0	79.9	80.6	81.4	82.4	82.4	82.8	82.9	82.9	83.0
GE 1400	78.6	81.3	82.2	82.9	83.9	83.9	84.3	84.4	84.4	84.5
GE 1200	80.6	82.7	83.7	84.4	85.5	85.5	85.9	85.9	85.9	85.9
GE 1000	81.1	83.2	84.2	84.9	85.9	85.9	86.5	86.5	86.5	86.5
GE 900	81.2	83.3	84.3	85.1	85.2	85.2	85.8	85.9	85.9	87.0
GE 800	81.5	84.0	85.2	85.9	87.2	87.5	88.2	88.4	88.4	88.5
GE 700	81.7	84.2	85.7	86.6	87.3	88.2	88.8	89.1	89.1	89.2
GE 600	82.2	84.9	86.9	88.2	89.5	89.8	90.5	91.4	91.4	91.5
GE 500	82.4	85.2	87.5	89.2	90.6	91.3	92.5	93.4	93.3	94.0
GE 400	82.5	85.4	88.5	90.2	91.7	92.5	94.0	94.8	95.2	95.5
GE 300	82.5	85.4	88.5	90.3	91.3	92.7	94.3	95.2	95.6	95.5
GE 200	82.5	85.4	88.5	90.3	91.3	92.7	94.3	95.2	95.6	95.5
GE 100	82.5	85.4	88.5	90.3	91.3	92.7	94.3	95.2	95.6	95.5
GE 000	82.5	85.4	88.5	90.3	91.3	92.7	94.3	95.2	95.6	95.5

TOTAL NUMBER OF OBSERVATIONS 930

FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: JAN HOURS: 03-05

DISTANCE IN STATUTE MILES										
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
0	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	0
64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.7	64.7	64.7
64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.8	64.8	64.8
64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.9	64.9	64.9
64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9	65.0	65.0	65.0
64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.1	65.1	65.1
65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.2	65.2	65.2
65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.3	65.3	65.3
65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.4	65.4	65.4
65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.5	65.5	65.5
65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.6	65.6	65.6
65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7
65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.8	65.8	65.8
65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.9	65.9	65.9
65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	66.0	66.0	66.0
65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.1	66.1	66.1
66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.2	66.2	66.2
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.3	66.3	66.3
66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.4	66.4	66.4
66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.5	66.5	66.5
66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.6	66.6	66.6
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.7	66.7	66.7
66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.8	66.8	66.8
66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.9	66.9	66.9
66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	67.0	67.0	67.0
66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.1	67.1	67.1
67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.2	67.2	67.2
67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.3	67.3	67.3
67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.4	67.4	67.4
67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.5	67.5	67.5
67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.6	67.6	67.6
67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.7	67.7	67.7
67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.8	67.8	67.8
67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.9	67.9	67.9
67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	68.0	68.0	68.0
67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.1	68.1	68.1
68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.2	68.2	68.2
68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.3	68.3	68.3
68.2	68.2									

OPERATING LOCATION: WAM
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	66.2	67.6	68.4	69.2	69.0	69.1	69.2	69.2	69.2	69.2
GE 20000	68.3	62.0	63.1	64.0	64.8	64.9	65.1	65.1	65.1	65.1
GE 18000	68.4	62.2	63.2	64.1	64.9	65.1	65.2	65.2	65.2	65.2
GE 16000	68.4	62.2	63.2	64.1	64.9	65.1	65.2	65.2	65.2	65.2
GE 14000	68.5	62.4	63.4	64.3	65.2	65.3	65.4	65.4	65.4	65.4
GE 12000	61.4	63.5	64.6	65.5	66.3	66.5	66.6	66.6	66.6	66.6
GE 10000	64.4	66.5	67.6	68.5	69.4	69.5	69.6	69.6	69.6	69.6
GE 9000	64.4	66.6	67.6	68.5	69.4	69.5	69.6	69.6	69.6	69.6
GE 8000	64.2	66.1	69.1	70.0	70.9	71.0	71.1	71.1	71.1	71.1
GE 7000	66.6	68.4	69.5	70.3	71.2	71.3	71.4	71.4	71.4	71.4
GE 6000	66.4	68.5	69.7	70.5	71.4	71.5	71.6	71.6	71.6	71.6
GE 5000	67.4	69.7	70.6	71.6	72.5	72.6	72.7	72.7	72.7	72.7
GE 4500	68.5	70.4	71.5	72.4	73.2	73.3	73.4	73.4	73.4	73.4
GE 4000	70.2	72.0	73.1	74.1	74.9	75.1	75.2	75.2	75.2	75.2
GE 3500	70.9	72.7	73.6	74.7	75.6	75.7	75.8	75.8	75.8	75.8
GE 3000	71.6	73.4	74.5	75.5	76.3	76.5	76.6	76.6	76.6	76.6
GE 2500	72.6	74.4	75.5	76.5	77.3	77.4	77.5	77.5	77.5	77.5
GE 2000	73.6	75.7	76.4	77.7	78.6	78.7	78.9	78.9	78.9	78.9
GE 1800	73.7	75.8	76.9	77.3	78.7	78.8	79.0	79.0	79.0	79.1
GE 1600	74.6	76.8	78.0	78.9	79.3	79.9	80.2	80.2	80.2	80.2
GE 1200	75.0	78.2	79.4	80.4	81.4	81.5	81.9	81.9	81.9	82.0
GE 1000	77.6	79.8	80.6	81.7	82.8	82.9	83.8	83.9	83.9	84.0
GE 900	78.2	80.5	81.7	82.8	84.0	84.1	84.9	85.1	85.1	85.2
GE 800	78.3	80.6	81.9	83.0	84.3	84.6	85.6	85.7	85.7	85.8
GE 700	78.5	81.0	82.4	83.5	84.8	85.2	86.1	86.2	86.2	86.3
GE 600	78.9	81.5	83.0	84.5	85.1	86.5	87.5	87.6	87.6	88.0
GE 500	79.6	82.6	84.4	85.0	87.7	88.3	89.6	90.1	90.1	90.6
GE 400	79.7	82.7	84.6	86.7	88.4	88.9	90.5	91.1	91.2	91.7
GE 300	79.7	82.9	85.6	87.8	90.1	90.6	92.9	93.9	94.0	94.7
GE 200	79.7	82.9	85.6	87.8	90.1	90.6	93.0	94.2	94.3	95.4
GE 100	79.7	82.9	85.6	87.8	90.1	90.6	93.0	94.2	94.3	95.4
GE 000	79.7	82.9	85.6	87.8	90.1	90.6	93.0	94.2	94.3	95.4

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN HOURS: 06-08

.....										
VISIBILITY IN STATUTE MILES	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
.....										
60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.4	60.4	60.4	60.4
60.2	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3
60.3	65.2	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4
60.4	65.2	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.4
60.5	65.4	65.4	65.4	65.4	65.5	65.5	65.6	65.6	65.6	65.6
60.6	65.6	65.6	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.8
60.7	69.5	69.6	69.6	69.6	69.7	69.7	69.8	69.8	69.8	69.8
60.8	69.5	69.6	69.6	69.6	69.7	69.7	69.8	69.8	69.8	69.8
60.9	71.1	71.1	71.1	71.1	71.2	71.2	71.3	71.3	71.3	71.3
61.0	71.4	71.4	71.4	71.4	71.5	71.5	71.6	71.6	71.6	71.6
61.1	71.6	71.6	71.6	71.6	71.7	71.7	71.8	71.8	71.8	71.8
61.2	72.7	72.7	72.7	72.7	72.8	72.8	72.9	72.9	72.9	72.9
61.3	73.4	73.4	73.4	73.4	73.5	73.5	73.7	73.7	73.7	73.7
61.4	75.2	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4
61.5	75.2	75.2	75.2	75.2	75.3	75.3	75.4	75.4	75.4	75.4
61.6	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7
61.7	77.5	77.5	77.5	77.5	77.7	77.7	77.8	77.8	77.8	77.8
61.8	79.0	79.0	79.0	79.0	79.2	79.2	79.4	79.4	79.4	79.4
61.9	79.0	79.0	79.0	79.1	79.4	79.4	79.5	79.5	79.5	79.5
62.0	80.2	80.2	80.2	80.3	80.5	80.5	80.6	80.6	80.6	80.6
62.1	81.9	81.9	81.9	82.0	82.3	82.3	82.4	82.4	82.4	82.4
62.2	83.8	83.9	83.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3
62.3	84.9	85.1	85.1	85.2	85.4	85.4	85.5	85.5	85.5	85.5
62.4	85.5	85.7	85.7	85.8	86.0	86.0	86.1	86.1	86.1	86.1
62.5	86.1	86.2	86.2	86.3	86.6	86.6	86.7	86.7	86.7	86.7
62.6	87.6	87.8	87.8	88.0	88.2	88.2	88.3	88.3	88.3	88.3
62.7	89.6	90.1	90.1	90.3	90.5	90.5	90.6	90.6	90.6	90.6
62.8	90.5	91.1	91.2	91.5	92.0	92.0	92.2	92.2	92.2	92.3
62.9	92.9	93.9	94.0	94.8	95.4	95.4	95.6	95.6	95.6	95.7
63.0	93.0	94.2	94.3	95.4	95.9	95.9	96.6	96.9	97.0	97.1
63.1	93.0	94.2	94.3	95.4	95.9	95.9	96.8	97.3	98.0	98.5
63.2	93.0	94.2	94.3	95.4	95.9	95.9	96.8	97.3	98.0	100.0
.....										

OPERATING LOCATION: "A"
USAFSTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM REPLY: 115-411

STATION NUMBER: 72340

STATION NAME: TINKER AFB, OK
EST TO UTC: + 6

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12 1/2	GE 13	GE 14	GE 15	GE 16
NO CEIL	51.4	53.7	53.9	54.1	54.5	54.7	54.7	54.8	54.8	5
GE 20000	51.4	50.1	51.9	51.1	51.7	51.3	51.1	51.2	51.3	5
GE 18000	52.4	51.1	51.3	51.5	52.2	52.3	52.3	52.4	52.4	5
GE 16000	53.4	51.1	51.3	51.5	52.2	52.3	52.3	52.4	52.4	5
GE 14000	50.4	51.8	51.7	51.9	52.5	52.7	52.7	52.8	52.8	5
GE 12000	51.4	53.1	53.3	53.5	54.2	54.3	54.3	54.4	54.5	5
GE 10000	55.2	57.1	57.3	57.5	58.2	58.3	58.3	58.4	58.4	5
GE 8000	55.2	57.1	57.3	57.5	58.2	58.3	58.3	58.4	58.4	5
GE 6000	57.5	59.2	59.1	59.5	70.2	70.3	70.3	70.4	70.4	7
GE 4000	58.5	70.5	70.2	70.5	71.3	71.4	71.4	71.5	71.5	7
GE 2000	58.5	70.7	70.7	70.5	71.3	71.4	71.4	71.5	71.5	7
GE 1000	61.7	71.1	71.0	71.3	72.0	72.2	72.2	72.3	72.3	7
GE 4000	60.1	71.2	71.4	71.7	72.5	72.6	72.6	72.7	72.7	7
GE 4000	72.1	72.2	72.4	72.7	73.4	73.5	73.5	73.7	73.7	7
GE 3500	70.5	72.7	72.9	73.2	74.0	74.1	74.1	74.2	74.2	7
GE 3000	70.3	73.0	73.2	73.7	74.4	74.5	74.5	74.6	74.6	7
GE 2500	70.3	74.2	74.5	74.9	75.9	75.9	75.9	76.3	76.3	7
GE 2000	73.5	75.7	75.1	75.5	77.4	77.5	77.5	77.1	77.1	7
GE 1500	73.4	76.0	75.5	76.0	77.7	77.6	77.6	77.4	77.4	7
GE 1500	75.3	77.7	78.3	78.8	79.5	80.0	80.4	80.5	80.5	5
GE 1200	75.7	79.2	80.1	80.7	81.7	81.9	82.4	82.5	82.5	5
GE 1000	77.4	82.2	81.2	81.9	83.0	83.3	83.3	83.4	83.4	5
GE 700	75.1	81.1	82.3	83.2	84.3	84.5	85.3	85.4	85.4	5
GE 400	75.5	81.2	83.0	84.1	85.2	85.5	86.2	86.3	86.3	5
GE 700	73.6	81.9	83.4	84.5	85.7	86.3	86.8	86.4	86.4	5
GE 500	73.5	82.0	83.7	84.5	85.6	87.4	87.0	88.1	88.1	5
GE 500	71.5	82.2	84.0	85.4	87.5	88.7	89.3	90.1	90.1	4
GE 400	71.5	82.2	84.2	85.1	86.4	89.9	91.3	91.7	91.7	3
GE 300	73.5	82.2	84.4	85.5	89.1	90.6	92.2	92.3	93.2	4
GE 200	73.6	82.2	84.4	86.6	89.1	90.6	92.3	93.0	93.3	4
GE 100	73.6	82.2	84.4	86.6	89.1	90.6	92.3	93.0	93.3	4
GE 000	74.5	82.2	84.4	86.6	89.1	90.6	92.3	93.0	93.3	7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM 24 HOURLY OBSERVATIONS

STATION: 145000

PERIOD OF RECORD: MAR 70 - FEB 71
MONTH: JAN HOURS: 09-11

VISIBILITY IN STATUTE MILES											
0	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
0 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	0
54.7	54.7	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
51.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
81.9	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
83.3	83.3	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
84.5	84.3	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
85.7	85.2	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
86.2	86.3	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
87.4	87.3	88.1	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
89.9	89.3	90.1	90.1	90.5	90.5	90.5	90.6	90.8	90.8	90.8	90.8
90.9	91.3	91.7	91.7	92.6	92.7	92.7	92.9	93.0	93.1	93.1	93.1
94.6	92.2	92.9	93.2	94.7	94.9	94.9	95.4	95.5	95.8	95.8	95.8
95.6	92.3	93.0	93.3	95.1	95.5	95.5	96.7	96.8	97.3	97.5	97.5
95.6	92.3	93.0	93.3	95.1	95.5	95.5	96.8	96.9	97.5	97.5	97.5
99.5	92.3	93.0	93.3	95.1	95.5	95.5	96.8	96.9	97.5	100.0	100.0

PERCENTAGE FOR AGENCY OF ADOPTION OF
FIRM BUDGETARY ASSUMPTIONS

2011

ITALY 1944-1945: THE GERMAN VILLAGE 221

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: ABB 0K

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: JAN HOURS: 12-14

VISIBILITY IN STATUTE MILES											
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4		0
57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
81.1	81.2	81.2	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
83.1	83.3	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
83.6	83.7	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
84.7	84.7	84.7	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
86.9	86.9	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
88.3	88.1	88.1	88.1	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.5
89.2	89.2	89.2	89.2	89.5	89.6	89.6	89.6	89.6	89.7	89.7	89.7
90.1	90.1	90.2	90.2	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
91.3	91.3	91.4	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.8	91.8
92.7	92.7	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1
93.7	93.7	93.9	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.5	94.5
95.3	95.3	95.1	95.2	95.5	95.9	95.9	97.0	97.0	97.0	97.1	97.1
96.7	96.7	96.7	96.8	96.9	98.0	98.1	98.2	98.5	98.5	98.5	98.5
98.2	98.7	98.7	98.9	98.2	98.3	98.4	98.8	98.9	98.9	99.0	99.0
98.3	98.7	98.7	98.9	98.3	98.4	98.5	99.0	99.2	99.4	99.4	99.7
98.3	98.7	98.7	98.9	98.3	98.4	98.5	99.0	99.2	99.4	100.0	

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM JULY OBSERVATIONS

05010
M2474

CEILING I, FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12 1/2	GE 13	GE 14 1/2	GE 15 1/2	GE 16
50 10-11	66.1	67.0	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9
55 10000	67.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
55 12000	67.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
55 14000	67.2	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
55 16000	67.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
55 18000	67.2	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
55 20000	67.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
55 22000	67.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
55 24000	67.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
55 26000	67.2	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
55 28000	67.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
55 30000	67.2	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
55 32000	67.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
55 34000	67.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
55 36000	67.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
55 38000	67.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
55 40000	67.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
55 42000	67.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
55 44000	67.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
55 46000	67.2	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
55 48000	67.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
55 50000	67.2	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
55 52000	67.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
55 54000	67.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
55 56000	67.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
55 58000	67.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
55 60000	67.2	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
55 62000	67.2	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
55 64000	67.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
55 66000	67.2	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
55 68000	67.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
55 70000	67.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
55 72000	67.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
55 74000	67.2	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
55 76000	67.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
55 78000	67.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
55 80000	67.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
55 82000	67.2	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
55 84000	67.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
55 86000	67.2	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
55 88000	67.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
55 90000	67.2	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
55 92000	67.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
55 94000	67.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
55 96000	67.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
55 98000	67.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
55 100000	67.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5

TOTAL NUMBER OF OPERATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

KR AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JAN HOURS: 15-17

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VISIBILITY IN STATUTE MILES

CE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFB TAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723940

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

.....
CEILING

.....
VISIBILITY IN STATUTE MILES

IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	50.0	51.2	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
GE 20000	59.1	59.4	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 18000	59.3	59.5	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 16000	59.4	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 14000	59.7	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 12000	71.0	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 10000	74.4	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 9000	74.4	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 8000	74.1	77.4	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 7000	75.3	77.6	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 6000	75.5	77.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	77.4	78.2	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	78.1	78.8	78.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5
GE 4000	78.4	78.9	78.9	80.7	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	78.4	80.7	81.4	81.7	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	80.7	82.1	82.7	83.2	83.5	83.5	83.5	83.5	83.5	83.5
GE 2500	81.7	83.1	83.0	84.4	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	85.1	84.9	85.5	86.3	86.5	86.5	86.5	86.5	86.5	86.5
GE 1800	88.3	88.4	88.7	88.7	87.3	87.3	87.3	87.4	87.4	87.4
GE 1600	88.9	88.9	87.3	88.3	89.2	89.2	89.5	89.5	89.5	89.5
GE 1200	89.7	87.3	88.4	89.6	89.5	89.5	89.7	89.9	89.9	89.9
GE 1000	89.7	88.1	89.5	89.5	91.2	91.2	91.5	91.7	91.5	91.5
GE 900	89.7	88.2	89.7	89.7	91.3	91.3	91.5	91.6	91.6	91.5
GE 800	89.3	88.2	89.8	89.4	92.0	92.0	92.4	92.4	92.4	92.4
GE 700	89.3	88.2	89.8	91.2	92.5	92.5	93.2	93.2	93.2	93.2
GE 600	89.3	89.3	89.3	91.5	92.8	92.5	93.5	93.5	93.5	93.5
GE 500	89.3	88.7	91.1	92.2	93.6	94.0	94.3	94.9	94.9	94.9
GE 400	88.2	88.6	91.2	92.5	94.2	94.2	95.4	95.3	95.3	97.1
GE 300	88.2	88.7	91.3	92.5	94.3	94.3	95.7	97.3	97.3	97.3
GE 200	88.2	88.5	91.3	92.5	94.3	94.9	95.8	97.5	97.5	98.1
GE 100	88.2	88.8	91.3	92.5	94.3	94.9	95.3	97.5	97.5	98.1
GE 50	88.2	88.7	91.3	92.5	94.3	94.9	95.3	97.5	97.5	98.1

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TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "4"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM ADJUTANT OBSERVATION

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERI
MONI

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	63.3	64.1	64.4	64.5	64.5	64.7	64.8	64.8	64.8	64.8
GE 20000	65.7	69.7	70.0	70.1	70.2	70.3	70.4	70.4	70.4	70.4
GE 18000	69.1	70.1	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7
GE 16000	69.1	70.1	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7
GE 14000	69.5	70.5	70.5	71.0	71.1	71.2	71.3	71.3	71.3	71.3
GE 12000	70.1	71.1	71.4	71.5	71.6	71.7	71.8	71.8	71.8	71.8
GE 10000	73.3	74.4	74.7	74.8	74.9	75.1	75.2	75.2	75.2	75.2
GE 9000	73.3	74.4	74.7	74.8	74.9	75.1	75.2	75.2	75.2	75.2
GE 8000	73.3	74.4	75.2	75.3	75.4	75.5	75.6	75.6	75.6	75.6
GE 7000	74.5	75.5	75.9	76.0	76.1	76.2	76.3	76.3	76.3	76.3
GE 6000	74.9	75.9	76.2	76.3	76.5	76.6	76.7	76.7	76.7	76.7
GE 5000	76.5	76.7	77.1	77.3	77.4	77.5	77.5	77.5	77.5	77.5
GE 4500	76.7	76.9	77.3	77.5	77.6	77.7	77.8	77.8	77.8	77.8
GE 4000	76.7	76.9	76.4	76.5	76.7	76.8	76.9	76.9	76.9	76.9
GE 3500	77.5	78.7	79.1	79.4	79.5	79.6	79.7	79.7	79.7	79.7
GE 3000	78.3	79.5	80.0	80.2	80.3	80.4	80.5	80.5	80.5	80.5
GE 2500	80.0	80.2	80.3	81.2	81.4	81.5	81.5	81.5	81.5	81.5
GE 2000	82.0	82.3	82.9	83.3	83.5	83.7	83.8	83.8	83.8	83.8
GE 1800	81.5	83.2	84.0	84.7	84.9	85.1	85.3	85.3	85.3	85.3
GE 1600	83.5	85.2	86.0	86.3	87.2	87.3	87.5	87.5	87.5	87.5
GE 1200	84.9	86.1	87.7	88.5	88.9	89.1	89.5	89.5	89.5	89.5
GE 1000	85.3	87.3	88.3	89.1	89.3	89.9	90.4	90.4	90.4	90.4
GE 900	85.3	87.4	88.4	89.4	89.9	90.2	90.5	90.6	90.6	90.6
GE 800	85.6	87.7	89.0	90.0	90.5	90.9	91.3	91.3	91.3	91.3
GE 700	85.1	88.1	89.5	90.8	91.5	91.8	92.3	92.3	92.3	92.3
GE 600	86.2	88.5	90.5	91.3	93.0	93.2	93.7	93.7	93.7	93.7
GE 500	86.7	88.7	91.0	92.3	93.5	94.1	95.3	95.4	95.4	95.4
GE 400	86.6	88.6	91.4	92.7	94.3	94.7	96.2	96.5	96.5	96.5
GE 300	86.6	88.8	91.4	92.7	94.5	95.2	96.6	97.0	97.0	97.0
GE 200	86.6	88.8	91.4	92.7	94.5	95.2	96.6	97.0	97.0	97.0
GE 100	86.6	88.8	91.4	92.7	94.5	95.2	96.6	97.0	97.0	97.0
GE 500	86.6	88.8	91.4	92.7	94.5	95.2	96.6	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS 930

IN

FE

JAN

.....

AVERAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

MAF3 BK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: JAN HOURS: 21-23

.....											
VISIBILITY IN STATUTE MILES											
3/4	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	
.....											
64.7	64.3	64.3	64.4	64.3	64.3	64.8	64.8	64.9	64.9	65.2	
70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.6	70.7	
70.5	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.1	71.3	
70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.1	71.3	
71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.5	71.7	
71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.0	72.3	
75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.6	
75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.3	75.4	75.6	
75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.8	76.0	
76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.6	76.8	
76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.9	77.1	
77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.8	78.1	
77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.1	78.3	
78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.1	79.4	
79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.9	80.1	
80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.8	81.0	
81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.8	82.0	
83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	84.0	84.2	
85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.5	85.7	
87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.7	88.0	
89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.8	90.0	
90.0	90.4	90.4	90.4	90.4	90.4	90.4	90.5	90.6	90.8	91.0	
90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.8	90.9	91.0	91.2	
90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.5	91.6	91.8	
91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.5	92.6	92.8	
93.2	93.7	93.7	93.7	93.7	93.8	93.8	93.9	94.0	94.1	94.3	
95.1	95.3	95.4	95.4	95.5	95.6	95.6	95.9	96.0	96.1	96.3	
96.7	96.7	96.5	96.5	96.7	96.9	96.9	97.6	97.7	97.8	98.1	
96.2	96.6	97.0	97.0	97.2	97.5	97.5	98.3	98.4	98.6	98.8	
96.2	96.6	97.0	97.0	97.4	97.8	98.0	98.7	98.8	99.0	99.2	
96.2	96.6	97.0	97.0	97.5	98.0	98.1	99.0	99.4	99.6	99.8	
97.2	96.6	97.0	97.0	97.5	98.0	98.1	99.0	99.4	99.6	100.0	
.....											

OPERATING LOCATION "A"
USAFETAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING	VISIBILITY IN STATUTE MILES									
	IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4
NO CEIL		50.8	50.3	50.3	50.6	50.8	50.9	50.9	50.9	50.9
GE 20000		56.1	56.2	56.7	56.9	57.2	57.3	57.3	57.2	57.3
GE 18000		56.5	56.7	57.1	57.3	57.6	57.6	57.7	57.7	57.7
GE 16000		56.6	56.7	57.1	57.3	57.6	57.7	57.7	57.7	57.7
GE 14000		56.1	57.4	57.6	58.0	58.3	58.3	58.4	58.4	58.4
GE 12000		57.2	58.4	58.8	59.1	59.4	59.4	59.5	59.5	59.5
GE 10000		70.7	71.7	72.2	72.5	72.5	72.5	72.7	72.9	72.9
GE 8000		70.5	71.7	72.2	72.5	72.5	72.5	72.7	72.9	72.9
GE 6000		71.4	73.0	73.7	74.0	74.3	74.3	74.4	74.4	74.4
GE 4000		72.4	73.8	74.5	74.6	74.9	74.9	75.0	75.0	75.0
GE 2000		72.5	74.1	74.5	74.7	75.1	75.2	75.3	75.3	75.3
GE 5000		72.5	75.2	75.5	75.7	75.1	75.1	75.2	75.2	75.2
GE 4500		74.1	75.8	76.0	76.3	75.7	75.7	75.8	75.8	75.8
GE 4000		75.2	75.7	77.1	77.5	77.2	77.4	75.0	75.0	75.0
GE 3500		75.7	77.2	77.7	78.0	78.4	78.5	78.5	78.5	78.5
GE 3000		75.5	78.0	78.6	79.0	79.4	79.5	79.5	79.5	79.5
GE 2500		77.3	78.9	79.5	80.0	80.5	80.5	80.7	80.7	80.7
GE 2000		78.7	80.4	81.1	81.5	82.1	82.2	82.4	82.4	82.4
GE 1800		79.0	80.9	81.6	82.2	82.7	82.7	83.0	83.0	83.0
GE 1500		80.5	82.4	83.3	83.5	84.4	84.5	84.5	84.5	84.5
GE 1200		81.3	83.0	84.2	85.5	85.1	85.2	85.5	85.5	85.5
GE 1000		82.5	84.4	85.5	85.5	87.3	87.4	87.9	87.9	87.9
GE 800		82.3	85.1	85.4	87.3	88.0	88.2	88.7	88.7	88.7
GE 700		82.1	85.4	86.3	87.7	88.6	88.9	89.4	89.5	89.5
GE 600		83.3	85.8	87.4	88.3	89.3	89.5	90.3	90.3	90.3
GE 500		83.5	85.0	87.3	88.9	90.1	90.5	91.2	91.3	91.3
GE 400		83.7	85.2	87.4	89.7	91.1	91.7	92.5	93.1	93.1
GE 300		83.7	85.4	88.7	90.3	91.3	92.7	94.2	94.7	94.8
GE 200		83.5	86.5	89.0	90.7	92.4	93.2	95.1	95.8	95.9
GE 100		83.3	86.3	89.0	90.7	92.4	93.3	95.1	95.9	96.1
GE 000		83.5	86.5	89.0	90.7	92.4	93.3	95.1	95.9	96.1

TOTAL NUMBER OF OBSERVATIONS 7439

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WINKER AFB OK PERIOD OF RECORD: MAR 79 - FEB 89
JAN MONTH: JAN HOURS: ALL

VISIBILITY IN STATUTE MILES												
CEILING	GE 3/4	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GF 3/8	GE 1/4	GE 0
60.0	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.1
67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5
67.0	67.5	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.9	67.9	67.9
67.0	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9
68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6
68.0	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6
72.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0
72.0	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.1
74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.6	74.6
74.0	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.2	75.2	75.2
75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.5
76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4
76.0	76.7	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0
78.0	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.2
78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.8
79.0	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.8	79.8
80.0	80.5	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.9	80.9	80.9	80.9
82.0	82.2	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.6	82.6	82.7	82.7
83.0	82.7	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.3
84.0	84.5	84.6	84.6	84.6	84.6	84.7	85.0	85.0	85.0	85.1	85.1	85.1
86.0	86.2	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.0
88.0	87.4	87.9	87.9	88.0	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3
88.0	88.2	88.7	88.7	88.7	88.8	88.8	88.9	88.9	89.0	89.0	89.1	89.1
89.0	88.9	89.4	89.5	89.5	89.6	89.6	89.7	89.7	89.8	89.8	89.9	89.9
90.0	89.6	90.3	90.3	90.4	90.5	90.5	90.6	90.6	90.7	90.7	90.7	90.8
91.0	90.5	91.2	91.3	91.3	91.5	91.5	91.6	91.6	91.6	91.7	91.7	91.7
93.0	91.7	92.3	93.1	93.1	93.3	93.5	93.5	93.5	93.6	93.7	93.7	93.7
95.0	92.7	94.2	94.7	94.8	95.2	95.5	95.5	95.5	95.7	95.8	95.8	95.9
96.0	93.2	95.1	95.8	95.9	96.6	96.9	96.9	96.9	97.3	97.3	97.4	97.5
97.0	93.3	95.1	95.9	96.1	96.9	97.3	97.3	97.4	97.9	98.0	98.2	98.3
97.0	93.3	95.1	95.9	96.1	97.0	97.4	97.4	97.4	98.2	98.5	98.8	99.3
97.0	93.3	95.1	95.9	96.1	97.0	97.4	97.4	97.4	98.2	98.5	98.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE- NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM DAILY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 5	GE 3	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	52.7	53.7	54.5	54.8	55.4	55.5	55.7	55.7	55.7	55.7
GE 20000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 18000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 16000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 14000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 12000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 10000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 9000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 8000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 7000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 6000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 5000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 4500	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 4000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 3500	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 3000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 2500	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 2000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 1800	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 1600	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 1400	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 1200	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 1000	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 900	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 800	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 700	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 600	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 500	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 400	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 300	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 200	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9
GE 100	55.5	55.5	55.8	55.9	55.6	55.7	55.9	55.9	55.9	55.9

TOTAL NUMBER OF OBSERVATIONS 349

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE- NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
AIRM. HOURLY OBSERVATI

STATION NUMBER: 722440

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

200
400

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	90 7	95 8	98 5	99 4	99 3	99 2 1/2	99 2	99 1 1/2	99 1 1/4	99 1
NO CEIL	52.7	53.5	54.5	55.1	55.4	55.5	55.5	55.5	55.6	55.7
99 20000	54.2	55.4	57.1	57.7	58.0	58.1	58.2	58.2	58.2	58.3
99 17000	55.2	56.4	57.5	58.1	58.3	58.4	58.5	58.5	58.5	58.6
99 15000	55.4	56.9	57.5	58.2	58.4	58.5	58.7	58.7	58.7	58.8
99 14000	55.5	57.1	57.3	58.4	58.7	58.8	58.9	58.9	58.9	59.0
99 12000	55.7	57.4	58.1	58.7	58.9	59.0	59.1	59.1	59.1	59.2
99 10000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 9000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 8000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 7000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 6000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 5000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 4500	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 4000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 3500	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 3000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 2500	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 2000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 1500	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 1000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 800	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 700	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 600	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 500	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 400	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 300	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 200	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 100	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3
99 000	57.0	58.5	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3

TOTAL NUMBER OF OBSERVATIONS 649

TABLE 1. FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: KANSAS CITY

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: FEB HOURS: 03-05

VISIBILITY IN STATUTE MILES											
GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
55.5	55.5	55.6	55.6	55.3	55.7	55.9	56.1	56.1	56.1	56.3	
58.1	58.2	58.2	58.2	58.4	58.5	58.5	58.7	58.7	58.7	58.9	
58.4	58.5	58.5	58.5	58.8	58.9	58.9	59.0	59.0	59.0	59.2	
58.5	58.7	58.7	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.4	
58.8	58.9	58.9	58.9	59.1	59.2	59.2	59.4	59.4	59.4	59.6	
59.0	59.1	59.1	59.1	59.4	59.5	59.5	59.6	59.6	59.6	59.8	
61.1	61.2	61.2	61.2	61.5	61.5	61.5	61.7	61.7	61.7	62.0	
61.1	61.2	61.2	61.2	61.5	61.5	61.5	61.7	61.7	61.7	62.0	
63.3	64.0	64.0	64.0	64.2	64.3	64.3	64.4	64.4	64.4	64.7	
64.4	64.5	64.5	64.5	64.5	64.9	64.9	65.0	65.0	65.0	65.3	
64.7	64.8	64.8	64.8	65.0	65.1	65.1	65.3	65.3	65.3	65.5	
66.1	66.2	66.2	66.2	66.4	66.5	66.5	66.7	66.7	66.7	66.9	
66.9	67.0	67.0	67.0	67.3	67.4	67.4	67.5	67.5	67.5	67.7	
68.3	68.4	68.4	68.4	68.7	68.8	68.8	68.9	68.9	68.9	69.1	
69.0	69.0	69.0	69.0	69.3	69.4	69.4	69.5	69.5	69.5	69.7	
70.1	70.2	70.2	70.2	70.4	70.5	70.5	70.7	70.7	70.7	70.9	
72.5	72.7	72.7	72.7	73.0	73.1	73.1	73.2	73.2	73.3	73.5	
74.7	75.0	75.1	75.1	75.5	75.5	75.5	75.7	75.7	75.7	76.0	
75.7	75.1	75.2	75.2	75.5	75.7	75.7	75.8	75.8	75.8	77.0	
77.3	77.5	77.7	77.7	78.1	78.2	78.2	78.3	78.3	78.3	78.5	
79.4	79.7	80.0	80.0	80.3	80.4	80.4	80.6	80.6	80.6	80.8	
82.3	82.7	82.9	82.9	83.4	83.5	83.5	83.5	83.5	83.6	83.9	
82.8	83.3	83.5	83.5	84.0	84.1	84.1	84.2	84.2	84.2	84.5	
84.0	84.5	84.7	84.7	85.2	85.4	85.4	85.5	85.5	85.5	85.7	
85.3	85.7	86.0	86.0	86.5	86.7	86.7	86.8	86.8	86.8	87.0	
86.5	86.9	87.2	87.2	87.5	87.9	87.9	88.0	88.0	88.0	88.2	
89.3	89.9	89.2	89.2	89.5	89.9	89.9	90.0	90.0	90.0	90.2	
89.5	90.2	90.6	90.6	91.0	91.5	91.5	91.6	91.6	91.6	91.9	
90.3	91.5	92.2	92.2	92.3	93.3	93.3	93.4	93.4	93.4	93.6	
90.0	92.9	93.3	93.9	95.2	95.9	95.9	95.5	96.7	96.7	96.9	
90.1	93.1	93.9	94.0	95.4	96.1	96.1	96.9	97.3	97.9	98.5	
90.1	93.1	93.9	94.0	95.4	96.1	96.1	96.9	97.3	98.0	100.0	

REPORTING LOCATION: MAN
 (CASHIAC, ARIZONA) MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 + IN VISIBILITY OBSERVATIONS

STATION NUMBER: 72040

STATION NAME: TINKER AFB
 EST. TO WTC: + 6

DATE: 10-1-57
 TIME: 1200

MILE	VISIBILITY IN STATION: MILES									
	1	2	3	4	5	6	7	8	9	10
1	48.3	48.4	48.1	48.2	48.2	48.7	48.7	48.3	48.7	48.7
2	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
3	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
4	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
5	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
6	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
7	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
8	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
9	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
10	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
11	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
12	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
13	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
14	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
15	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
16	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
17	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
18	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
19	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
20	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
21	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
22	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
23	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
24	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
25	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
26	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
27	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
28	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
29	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
30	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
31	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
32	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
33	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
34	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
35	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
36	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
37	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
38	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
39	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
40	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
41	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
42	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
43	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
44	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
45	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
46	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
47	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
48	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
49	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7
50	48.3	48.4	48.3	48.1	48.4	48.7	48.7	48.7	48.7	48.7

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HIPLY OBSERVATIONS

TABLE 18

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: FEB HOURS: 06-08

VISIBILITY IN STATUTE MILES

	GE 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
51.0	51.0	51.6	51.0	51.0	51.0	52.1	52.1	52.1	52.1	52.2	52.5
51.1	51.2	55.3	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.9	57.2
51.2	51.7	55.2	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.4	57.7
51.3	51.7	55.5	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.4	57.7
51.4	51.8	55.9	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.5	57.8
51.5	57.2	57.4	57.7	57.7	57.7	57.3	57.3	57.3	57.2	58.0	58.3
51.6	57.1	59.2	59.5	59.5	59.5	59.7	59.7	59.7	59.7	59.8	59.2
51.7	57.2	59.4	59.7	59.7	59.7	59.2	59.2	59.2	59.3	59.0	59.3
51.8	51.4	51.5	51.3	51.3	51.5	52.0	52.0	52.0	52.0	52.1	52.4
51.9	52.5	52.1	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.7	53.0
52.0	52.2	52.3	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.9	53.3
52.1	53.1	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.8	54.2
52.2	53.5	54.1	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.7	55.0
52.3	53.4	55.0	55.3	55.3	55.3	55.0	55.0	55.0	55.0	55.1	55.4
52.4	53.7	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.4	55.8
52.5	53.5	55.7	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.3	57.5
52.6	53.7	53.1	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.7	53.0
52.7	53.7	71.0	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	72.0
52.8	71.7	71.0	72.2	72.3	72.3	72.4	72.4	72.4	72.4	72.5	72.9
52.9	72.0	72.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	74.0
53.0	72.7	73.0	73.4	73.5	73.7	73.8	72.5	73.8	73.2	73.9	73.3
53.1	72.3	73.0	73.7	73.3	73.0	71.0	71.0	71.0	71.0	71.2	71.5
53.2	73.0	71.3	71.7	71.3	72.0	72.1	72.1	72.1	72.1	72.2	72.5
53.3	73.4	72.9	73.4	73.5	73.5	73.7	73.7	73.7	73.7	73.9	74.2
53.4	73.5	73.7	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.7	75.0
53.5	73.7	74.0	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.9	76.2
53.6	73.5	74.0	74.5	74.5	74.7	74.2	74.3	74.3	74.3	74.5	74.8
53.7	73.5	74.4	73.8	73.3	73.5	73.7	73.7	73.7	73.7	73.8	74.2
53.8	73.2	74.7	71.5	72.0	72.5	72.9	72.9	73.1	73.1	73.2	73.5
53.9	71.3	71.2	72.5	72.7	73.8	74.5	74.5	74.7	74.7	74.5	75.4
54.0	71.3	71.3	72.5	72.3	74.0	74.8	74.3	75.4	75.3	76.5	78.2
54.1	71.5	71.3	72.5	72.5	74.0	74.8	74.8	75.4	75.3	75.7	100.0

OPERATING LOCATION: "M"
USARTRAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM 1 JULY 1957 TO 31 JULY 1958

STATION NUMBER: 723043

STATION NAME: TINKER AFB, MO
EST TIME: + 6

21
22

CEILING

VISIBILITY IN STATION: MILES

IN FEET	0 1	00 2	05 3	01 4	05 5	01 2 1/2	01 2	05 1 1/2	01 1 1/4	
01 0000	45.1	46.1	47.5	48.1	48.4	48.4	48.5	48.5	48.5	4
02 0000	47.1	48.2	49.7	50.3	50.7	50.7	50.7	50.7	50.7	5
03 0000	48.3	49.2	51.3	52.5	52.7	52.7	53.1	53.1	53.1	6
04 0000	49.1	50.7	52.2	52.5	53.1	53.1	53.4	53.4	53.4	7
05 0000	50.1	51.5	52.5	52.9	53.2	53.2	53.5	53.5	53.5	8
06 0000	51.1	53.1	53.9	54.4	54.7	54.7	55.0	55.0	55.0	9
07 0000	54.1	56.1	56.1	57.1	57.5	57.5	57.7	57.7	57.7	10
08 0000	54.1	56.7	56.7	57.2	57.6	57.6	57.7	57.7	57.7	11
09 0000	56.1	57.5	58.5	58.3	59.7	59.7	61.4	61.4	61.4	12
10 0000	58.1	59.1	60.7	61.4	61.7	61.7	62.2	62.1	62.1	13
11 0000	58.1	59.1	60.7	61.4	61.7	61.7	62.2	62.1	62.1	14
12 0000	59.1	60.7	61.3	61.3	62.3	62.3	62.4	62.4	62.4	15
13 0000	60.1	60.7	61.7	62.3	62.7	62.7	63.1	63.3	63.3	16
14 0000	60.1	61.3	63.4	64.3	64.7	64.7	64.7	64.7	64.7	17
15 0000	60.2	61.4	63.7	64.4	64.7	64.7	65.3	65.1	65.1	18
16 0000	61.3	63.5	64.7	65.5	65.7	65.7	66.2	66.3	66.3	19
17 0000	64.1	66.1	66.4	68.5	69.7	69.7	69.8	69.8	69.8	20
18 0000	67.4	68.2	67.7	69.9	69.6	69.6	69.6	70.5	70.5	21
19 0000	68.2	67.1	69.3	70.1	70.2	70.2	71.2	71.5	71.5	22
20 0000	69.1	69.1	70.7	72.1	73.1	73.1	73.5	73.7	73.7	23
21 0000	67.1	70.1	72.7	74.7	75.2	75.4	75.7	77.3	77.7	24
22 0000	67.2	71.7	73.2	75.1	77.7	78.2	78.5	79.1	79.9	25
23 0000	67.1	71.7	74.3	75.7	76.3	76.1	77.2	77.4	77.4	26
24 0000	69.1	72.3	74.1	77.7	78.3	78.3	79.3	79.3	79.3	27
25 0000	69.1	72.5	75.4	76.3	81.3	81.5	82.1	82.3	82.3	28
26 0000	69.1	73.1	75.5	76.3	81.3	82.5	83.3	84.2	84.2	29
27 0000	69.1	73.5	76.2	80.3	83.5	85.3	87.2	87.4	87.4	30
28 0000	69.1	73.5	77.2	80.7	84.5	85.2	89.5	90.5	90.7	31
29 0000	69.1	73.7	77.3	82.5	84.5	87.2	90.2	92.1	92.5	32
30 0000	69.1	73.5	77.1	82.5	84.7	87.3	91.3	92.2	92.4	33
31 0000	69.1	73.5	77.3	80.5	83.7	87.3	91.3	92.2	92.5	34
32 0000	69.1	73.5	77.3	80.5	84.7	87.4	91.3	92.2	92.4	35

TOTAL NUMBER OF STATIONS 343

INCIDENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: FEB HOURS: 09-11

BY IN STATUTE MILES

	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
43.5	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.8	43.8
52.0	52.0	52.0	52.0	52.0	52.0	53.0	53.0	53.0	53.0
53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2
53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5
53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6
55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.1	55.1
57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	58.1	58.1
57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.0	58.2	58.2
61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.4	61.4
62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.4	62.4
62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.4	62.4
62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.9	62.9
63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.5	63.5
65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.4	65.4
65.1	65.1	65.1	65.1	65.1	65.1	65.3	65.3	65.5	65.5
65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.7	65.7
67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.7	67.7
70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.3	70.3
71.5	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.8	71.8
73.7	73.7	73.7	73.7	73.7	73.7	73.9	73.9	74.1	74.1
77.0	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.5	77.5
78.5	78.5	78.5	78.5	78.5	78.5	78.9	78.9	79.2	79.2
79.4	79.4	79.4	79.4	79.4	79.4	79.7	79.7	80.0	80.0
81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.5	81.5
82.3	82.3	82.3	82.5	82.5	82.5	82.8	82.8	83.0	83.0
84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.0	85.0
87.3	87.3	87.3	88.3	88.3	88.3	88.5	88.5	88.8	88.8
90.5	90.5	90.7	91.6	91.9	91.9	92.1	92.1	92.3	92.3
92.1	92.1	92.5	94.5	94.8	94.8	95.3	95.3	95.5	95.5
92.2	92.2	92.6	94.7	95.1	95.1	95.9	95.1	95.7	97.2
92.2	92.2	92.6	94.7	95.1	95.1	96.0	96.0	96.0	99.5
92.2	92.2	92.6	94.7	95.1	95.1	96.0	96.3	96.1	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF 1
IN 100 OBSERVATIONS

DEPT
AUST

CEILING IN FOOT	VISIBILITY IN STATUTE MILES									
	10	15	20	30	50	60	70	80	90	100
	7	8	9	4	3	2 1/2	2	1 1/2	1 1/4	1
NO CEIL	49.1	49.5	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7
25 10000	50.1	50.7	50.7	50.3	50.2	50.3	50.3	50.3	50.3	50.3
37 10000	50.2	50.6	50.3	50.3	57.0	57.0	57.0	57.0	57.0	57.0
37 15000	50.2	50.6	50.3	50.3	57.0	57.0	57.0	57.0	57.0	57.0
37 14000	57.1	57.7	57.7	57.7	59.0	59.0	59.0	59.0	59.0	59.0
37 12000	59.1	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6
50 10000	61.3	61.6	61.6	61.6	62.3	62.3	62.3	62.3	62.3	62.3
57 10000	61.3	61.6	61.3	61.3	62.4	62.4	62.4	62.4	62.4	62.4
57 12000	62.4	64.3	64.3	64.3	64.7	64.7	64.7	64.7	64.7	64.7
65 7000	64.7	65.4	65.7	65.7	65.3	65.3	65.3	65.3	65.3	65.3
67 6000	64.7	65.3	65.7	65.7	65.3	65.3	65.3	65.3	65.3	65.3
77 10000	66.3	66.3	66.7	66.7	66.5	66.5	66.5	66.5	66.5	66.5
77 6000	66.3	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1
77 4000	67.3	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
78 10000	68.1	68.3	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3
77 3000	69.3	69.6	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4
77 2000	70.3	70.7	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
77 1000	71.3	73.3	74.3	75.1	75.5	75.5	75.5	75.5	75.5	75.5
78 1000	72.3	74.4	75.5	75.7	75.2	75.2	75.2	75.2	75.2	75.2
78 1000	74.1	75.5	77.4	78.1	78.5	78.5	78.5	78.5	78.5	78.5
78 1200	75.2	76.5	79.7	81.2	82.0	82.2	82.2	82.2	82.2	82.2
77 1000	76.3	78.3	80.7	82.5	83.4	83.7	83.7	83.7	83.7	83.7
77 1000	78.3	79.4	81.9	82.9	84.1	84.5	84.5	84.5	84.5	84.5
77 1000	76.1	78.1	81.9	84.3	85.5	87.0	87.2	87.2	87.2	87.2
77 700	78.2	80.3	82.7	85.7	86.3	88.3	88.9	88.9	88.9	88.9
77 600	76.2	80.2	82.6	86.0	89.7	89.2	89.5	89.5	89.5	89.5
77 500	76.7	81.3	83.3	85.5	89.2	89.5	91.4	91.4	91.4	91.4
77 400	78.3	82.4	83.7	87.3	90.7	91.4	93.1	93.3	94.0	94.0
77 300	76.4	83.4	84.7	87.5	91.3	92.7	94.3	95.3	95.6	97.0
77 200	76.4	85.4	83.7	87.5	91.3	92.7	94.3	95.3	95.6	97.0
77 100	75.4	85.4	83.7	87.5	91.3	92.7	94.3	95.3	95.6	97.0
77 100	76.3	85.4	83.7	87.5	91.3	92.7	94.3	95.3	95.6	97.0

TOTAL NUMBER OF INNOVATIONS 149

LIST 1 - FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: FEB HOURS: 12-14

VISIBILITY IN STATUTE MILES											
3/4	GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/4	GE 1/4	GE 0
49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8
56.2	56.2	56.2	56.2	56.2	56.2	57.0	57.0	57.0	57.0	57.0	57.0
57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7
62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1
62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5
64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0
65.8	65.8	65.8	65.8	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0
66.3	66.3	66.3	66.3	66.3	66.3	66.9	66.9	66.9	66.9	66.9	66.9
67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.3
68.0	68.0	68.0	68.0	68.0	68.0	69.0	69.0	69.0	69.0	69.0	69.0
69.3	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6
71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
75.5	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3
78.3	78.3	78.3	78.3	78.3	78.3	78.9	78.9	78.9	78.9	78.9	78.9
82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
83.7	83.7	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9
84.5	84.5	84.5	84.5	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7
87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6
91.5	91.5	91.5	91.5	91.5	92.3	92.6	92.6	92.7	92.7	92.7	92.7
93.1	93.1	93.1	93.1	94.0	94.2	95.1	95.1	95.2	95.2	95.2	95.2
97.5	97.5	97.5	97.5	97.5	97.5	97.8	97.8	98.0	98.0	98.0	98.0
98.7	98.7	98.7	98.7	98.7	98.7	98.1	98.1	99.1	99.1	99.2	99.3
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.5	100.0
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.5	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATION

STATION NAME: TUNER A-C 10
EST TO UTC: + 6

VISIBILITY IN STATUTE MILES

TOTAL NUMBER OF OBSERVATIONS 349

OPERATING LOCATION "A"
USAFETAC, ARRAVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

252
700

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	30 7	37 7	61 5	67 4	61 3	67 2 1/2	67 2	61 1 1/2	61 1 1/4	61 1
NO CEIL	54.7	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
37 2000	51.7	51.7	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9
37 1800	51.7	51.7	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9
37 1600	51.7	51.7	52.2	52.9	52.9	52.9	52.9	52.9	52.9	52.9
37 1400	52.5	52.5	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7
37 1200	53.9	53.9	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4
37 1000	55.4	55.4	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4
37 800	55.7	55.7	55.9	56.7	56.7	56.7	56.7	56.7	56.7	56.7
37 600	57.5	57.5	58.0	58.5	58.5	58.5	58.5	58.5	58.5	58.5
37 400	59.1	59.1	59.5	60.3	60.3	60.3	60.3	60.3	60.3	60.3
37 200	59.4	59.4	59.9	60.3	60.3	60.3	60.3	60.3	60.3	60.3
37 100	71.1	71.1	71.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1
37 80	71.1	71.1	72.2	72.9	73.7	73.7	73.7	73.7	73.7	73.7
37 60	73.1	73.1	74.7	75.4	75.5	75.5	75.5	75.5	75.5	75.5
37 40	74.1	74.1	75.5	76.2	76.5	76.5	76.5	76.5	76.5	76.5
37 20	75.1	75.1	75.5	77.3	77.5	77.5	77.5	77.5	77.5	77.5
37 10	77.1	77.7	78.1	79.7	80.2	80.2	80.2	80.2	80.2	80.2
37 8	78.1	78.1	82.4	81.5	81.9	81.9	82.9	82.9	82.9	82.9
37 6	78.7	78.7	80.1	82.9	82.4	82.4	82.9	82.9	82.9	82.9
37 4	79.1	79.1	82.9	84.2	84.5	84.5	84.5	84.5	84.5	84.5
37 2	80.4	81.1	83.9	85.5	85.2	85.2	85.2	85.2	85.2	85.2
37 1	82.4	82.7	85.0	86.5	87.1	87.1	87.2	87.2	87.2	87.2
37 800	81.2	81.2	85.5	87.2	87.9	88.1	88.3	88.3	88.3	88.3
37 600	81.9	82.9	86.5	88.4	89.5	89.7	89.9	89.9	89.9	89.9
37 400	82.2	84.3	85.1	89.0	90.5	91.0	91.4	92.1	92.3	92.3
37 200	82.3	86.3	87.0	90.2	91.0	91.5	92.1	92.5	93.0	93.0
37 100	82.3	84.3	87.0	89.2	90.2	91.4	92.3	93.7	94.1	94.1
37 80	82.3	84.3	87.1	89.4	91.7	92.7	94.1	95.6	95.3	95.3
37 60	82.3	84.3	87.1	89.4	91.7	92.9	94.7	95.2	95.5	95.5
37 40	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 20	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 10	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 8	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 6	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 4	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 2	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
37 1	82.3	84.3	87.1	89.4	91.7	92.9	94.5	95.3	95.5	95.5
TOTAL NUMBER OF OBSERVATIONS	345									

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

NEW YORK

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: FEB HOURS: 18-20

.....											
VISIBILITY IN STATUTE MILES											
CEILING	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/3	GE 1/4	GE 0	
.....											
55	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	
56	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
57	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
58	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	
59	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
60	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	
61	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
62	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
63	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	
64	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	
65	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	
66	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	
67	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
68	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
69	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	
70	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	
71	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
72	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	
73	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	
74	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	
75	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
76	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	
77	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	
78	90.0	90.4	90.7	90.3	90.8	90.3	90.3	90.3	90.4	90.5	
79	91.4	92.1	92.3	92.4	92.4	92.4	92.6	92.6	92.6	92.6	
80	92.1	92.8	93.0	93.4	93.4	93.4	93.5	93.5	93.5	93.5	
81	92.3	93.0	94.1	94.4	94.4	94.4	94.6	94.6	94.6	94.6	
82	94.1	95.6	95.9	95.3	96.6	96.6	96.7	96.7	96.7	96.7	
83	94.7	96.2	96.5	97.4	97.8	97.8	98.0	98.0	98.0	98.0	
84	94.8	96.3	96.6	97.5	98.0	98.0	98.5	98.5	98.6	98.6	
85	94.8	96.3	96.6	97.6	98.2	98.2	99.3	99.3	99.3	99.3	
86	94.8	96.3	96.6	97.6	98.2	98.2	99.3	99.3	99.3	100.0	
.....											

OPERATING LOCATION "A"
USAFHAF, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FOR EACH VISIBILITY RESERVE

STATION NUMBER: 703843

STATION NAME: LINKER AFB, NC
LST TO UTC: + 5

CEILING IN FEET	VISIBILITY IN STATUTE MILES								
	5 7	6 8	5 9	5 4	5 3	6 2 1/2	5 2	5 1 1/2	5 1 1/4
1000	56.6	57.2	57.4	58.2	58.4	58.4	58.4	58.4	58.4
900	51.6	52.2	52.4	53.2	53.4	53.5	53.5	53.5	53.5
800	51.6	52.2	52.4	53.2	53.4	53.5	53.5	53.5	53.5
700	51.6	52.2	52.4	53.2	53.4	53.5	53.5	53.5	53.5
600	51.6	52.2	52.4	53.2	53.4	54.1	54.1	54.1	54.1
500	52.6	53.8	53.7	54.7	54.9	54.9	54.9	54.9	54.9
400	55.2	56.7	56.2	57.1	57.4	57.4	57.4	57.4	57.4
300	56.2	56.3	56.2	57.1	57.4	57.4	57.4	57.4	57.4
200	56.1	57.7	57.7	58.7	58.8	58.8	58.8	58.8	58.8
100	57.5	58.6	58.7	59.6	59.9	59.9	59.9	59.9	59.9
0	58.5	59.1	59.4	60.3	60.5	60.5	60.5	60.5	60.5
900	60.4	70.2	70.7	71.5	71.7	71.7	71.7	71.7	71.7
800	60.4	70.2	71.3	72.5	72.7	72.7	72.7	72.7	72.7
700	70.7	71.5	73.3	75.1	75.3	75.3	75.3	75.3	75.3
600	72.4	73.1	75.7	76.3	76.1	76.1	76.1	76.1	76.1
500	76.1	76.1	76.2	77.4	77.4	77.4	77.4	77.4	77.4
400	76.2	76.5	76.7	77.2	77.5	77.5	77.5	77.5	77.5
300	77.1	77.5	77.7	78.3	81.2	81.2	81.2	81.2	81.2
200	77.5	78.7	81.7	81.7	82.2	82.2	82.2	82.3	82.3
100	78.4	78.3	81.7	83.2	83.5	83.7	82.3	83.7	83.2
0	79.7	81.6	83.1	85.1	85.7	85.9	85.1	85.2	85.2
900	79.7	81.7	84.3	85.5	85.3	85.5	85.1	85.8	85.3
800	80.5	82.4	84.5	85.1	87.1	87.1	86.2	86.4	86.4
700	80.7	83.2	85.7	87.4	88.5	89.4	89.7	89.1	89.1
600	81.2	83.7	85.4	88.3	89.5	90.4	91.3	91.5	91.5
500	81.2	84.7	85.1	88.7	90.1	91.0	91.7	92.3	92.3
400	81.3	85.1	87.0	89.1	90.5	91.5	93.7	93.8	93.5
300	81.5	86.2	87.5	89.6	91.3	92.9	94.3	95.5	95.5
200	81.5	86.0	87.5	89.5	91.5	93.3	94.7	95.5	95.6
100	81.5	86.5	87.5	89.5	91.7	93.4	94.9	95.9	95.9
0	81.5	86.0	87.5	89.5	91.7	93.5	95.3	95.2	95.2
900	81.5	86.5	87.5	89.5	91.7	93.5	95.3	95.2	95.2

TOTAL NUMBER OF OBSERVATIONS 896

OPERATING LOCATION: WAW
USAFDTAG, ASHBYVILLE NC

PERCENTAGE EFFICIENCY OF OCCURRENCE
FROM MONTHLY OBSERVAT

STATION NUMBER: 723543

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

CEILING IN FEET	VISIBILITY IN STATUTE MILES								
	50 1/2	50 3/4	50 1	50 1 1/4	50 1 1/2	50 2	50 2 1/2	50 3	50 3 1/2
NO. OF TC	51.0	51.0	52.3	52.0	53.1	53.2	53.3	53.3	53.3
50 1000	51.0	52.1	52.3	51.1	53.4	53.5	53.5	53.5	53.5
50 1200	51.0	52.4	52.0	50.4	53.7	53.3	53.3	53.3	53.3
50 1400	51.0	52.7	52.0	53.4	53.7	53.7	53.7	53.5	53.5
50 1600	52.0	51.7	53.4	53.0	53.3	53.3	53.4	53.5	53.5
50 1800	52.0	51.9	53.3	53.5	53.2	53.2	53.3	53.4	53.4
50 2000	51.0	51.3	51.7	52.4	52.7	52.5	52.7	52.3	52.7
50 2200	51.0	51.6	52.1	52.5	53.3	53.5	53.1	53.1	53.1
50 2400	51.0	51.7	52.3	52.1	53.5	53.5	53.5	53.7	53.7
50 2600	53.7	53.3	53.4	53.1	53.3	53.4	53.5	53.7	53.5
50 2800	54.0	53.1	53.7	53.2	53.5	53.5	53.7	53.5	53.5
50 3000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 3200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 3400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 3600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 3800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 4000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 4200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 4400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 4600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 4800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 5000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 5200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 5400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 5600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 5800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 6000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 6200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 6400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 6600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 6800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 7000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 7200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 7400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 7600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 7800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 8000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 8200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 8400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 8600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 8800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 9000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 9200	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 9400	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 9600	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 9800	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7
50 10000	54.0	53.7	53.7	53.7	53.5	53.7	53.7	53.7	53.7

TOTAL NO. OF OBSERVATIONS: 6755

2111
 15 FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: FEB HOURS: ALL

.....											
CEILING IN STATUTE MILES											
1	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/2	1/4	0	
.....
60.0	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5
59.0	52.7	52.5	52.5	52.7	53.7	53.7	53.7	53.7	53.7	53.8	53.9
58.0	52.2	52.2	52.2	52.2	52.0	52.0	52.0	52.0	52.0	52.0	52.1
57.0	51.7	51.7	51.7	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.2
56.0	51.4	51.5	51.5	51.5	52.5	52.5	52.5	52.6	52.6	52.6	52.7
55.0	50.3	50.4	50.4	50.4	52.4	52.4	52.4	52.5	52.5	52.5	52.6
54.0	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.2
53.0	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.4
52.0	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
51.0	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.7	55.7
50.0	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0
49.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.3
48.0	57.0	57.0	57.0	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.7
47.0	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6
46.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.3
45.0	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
44.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.3
43.0	75.0	75.7	75.7	75.7	75.2	75.2	75.2	75.2	75.2	75.2	75.3
42.0	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.8
41.0	78.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.6
40.0	82.2	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.8
39.0	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.5
38.0	85.0	85.1	85.2	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.6
37.0	86.5	86.7	87.0	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.5
36.0	88.0	88.4	88.5	88.7	88.8	88.8	88.8	88.9	88.9	88.9	89.0
35.0	89.0	89.4	89.5	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.1
34.0	90.0	90.4	90.5	90.7	90.9	90.9	90.9	91.0	91.0	91.0	91.1
33.0	91.0	91.4	91.5	91.9	92.1	92.1	92.2	92.2	92.2	92.2	92.3
32.0	92.0	93.1	93.3	93.7	94.1	94.1	94.2	94.3	94.3	94.3	94.4
31.0	93.3	94.2	94.4	95.5	95.5	95.9	96.1	96.2	96.2	96.2	96.3
30.0	93.7	94.7	95.0	95.2	96.0	96.0	96.0	97.4	97.5	97.7	97.8
29.0	93.9	94.9	95.1	96.4	97.0	97.1	97.3	98.3	98.3	98.3	98.4
28.0	94.0	94.0	94.1	95.6	97.0	97.1	97.3	98.3	98.3	98.9	100.0
.....

AD-A211 168

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR

5/8

TYNTER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

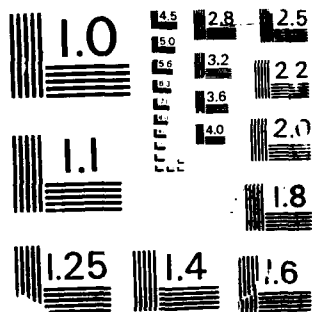
TECHNICAL APPLICATIONS CENTER SCOTT AFB IL JUN 89

UNCLASSIFIED

USAFETAC/DS-89/207

F/G 4/2

NL



PERCENTAGE FREQUENCY OF OCCURRENCE OF CELL
IN EMPLOY OBSERVATIONS

100

VISIBILITY IN STATUTE FILES

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 FROM HOURLY OBSERVATIONS

STATION		PERIOD OF RECORD: MAR 79 - FEB 80								
		MONTH: MAR HOURS: 00-02								
.....										
CEILING IN STATUTE MILES										
0	1	GE	GE	GE	GE	GE	GE	GE	GE	GE
1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/4	1/4	0
.....										
59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
.....										
68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
.....										
73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
.....										
83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
.....										
92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
.....										
96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.4	99.4	99.4	99.4	99.2	99.2	99.2	99.2	99.2	99.5	99.5
.....										
99.5	99.5	99.5	99.5	99.2	99.2	99.2	99.2	99.2	99.6	100.0
.....										

OPERATING LOCATION: WAM
WSAFAS, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
BASED UPON ALL OBSERVATIONS

STATION NUMBER: 723-40

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD: 12
MONTH: 12

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12	GE 13	GE 14	GE 15	GE 16
01 Ceil	55.2	57.3	55.2	58.6	59.0	57.0	57.1	59.2	57.2	59.5
02 10000	61.2	61.2	62.7	63.1	63.5	63.5	63.7	63.8	63.8	64.0
03 10000	62.1	62.0	62.2	63.3	63.2	63.3	63.4	64.0	64.0	64.2
04 10000	60.1	62.0	62.2	63.3	63.3	63.3	63.7	64.0	64.0	64.2
05 14000	60.8	62.7	63.1	63.5	64.0	64.0	64.1	64.2	64.2	64.4
06 12000	61.4	63.0	63.0	64.3	64.7	64.7	64.8	64.9	64.9	65.2
07 10000	63.7	65.2	65.2	65.7	67.1	67.1	67.2	67.3	67.3	67.5
08 9000	63.7	65.5	65.5	65.7	67.3	67.3	67.4	67.5	67.5	67.7
09 8000	65.7	67.5	68.5	68.2	69.4	69.4	69.5	69.5	69.5	69.8
10 7000	65.0	67.1	68.1	69.2	69.7	69.7	69.8	69.9	69.9	70.1
11 6000	66.1	68.4	69.4	69.8	70.2	70.2	70.3	70.4	70.4	70.7
12 5000	67.7	69.5	70.5	71.0	71.4	71.4	71.5	71.5	71.5	71.8
13 4000	68.7	70.5	71.5	72.0	72.5	72.5	72.5	72.7	72.7	72.9
14 3000	70.2	72.5	73.7	74.2	74.7	74.7	74.8	74.9	74.9	75.2
15 3500	71.1	73.4	74.7	75.3	75.8	75.8	75.9	75.9	75.9	75.9
16 3000	71.5	74.1	75.2	75.8	77.3	77.3	77.4	77.5	77.5	77.7
17 2500	72.5	75.1	77.5	78.3	78.9	78.9	79.0	79.2	79.2	79.5
18 2000	74.2	77.5	80.1	81.0	81.7	82.2	82.2	82.4	82.4	82.8
19 1000	75.5	78.5	81.2	82.2	82.9	83.2	83.3	83.5	83.5	83.9
20 1500	75.3	79.2	81.0	83.5	83.3	84.1	84.2	84.4	84.4	84.5
21 1200	75.1	81.1	84.1	85.4	85.1	85.5	85.5	87.0	87.0	87.2
22 1000	77.7	82.7	85.0	87.5	88.7	89.1	89.4	89.5	89.5	89.8
23 900	80.0	83.0	86.5	88.1	89.1	89.5	89.9	90.1	90.1	90.6
24 800	80.5	83.5	87.3	89.0	90.3	90.0	91.2	91.4	91.4	91.7
25 700	80.7	84.0	88.2	89.7	91.0	91.4	91.8	92.0	92.0	92.4
26 600	80.0	84.0	88.4	90.3	91.7	92.2	92.7	92.9	92.9	93.2
27 500	81.5	84.7	89.5	91.5	93.1	93.5	94.2	94.5	94.5	94.8
28 400	81.5	84.5	89.2	91.0	93.2	94.5	95.7	95.0	95.0	95.5
29 300	81.5	85.1	90.0	92.4	94.3	95.1	95.5	96.9	95.0	97.3
30 200	81.8	85.1	90.0	92.4	94.3	95.1	95.7	97.4	97.4	98.5
31 100	81.8	85.1	90.0	92.4	94.3	95.1	95.7	97.4	97.5	98.5
32 000	81.8	85.1	90.0	92.4	94.3	95.1	95.7	97.4	97.5	98.5

TOTAL NUMBER OF OBSERVATIONS 930

DAILY OBSERVATIONS

PERIOD OF RECORD: MAR 77 - FEB 89

MONTH: MAR HOURS: 03-05

IN STATUTE MILES									
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4		0

OPERATING LOCATION: "AW"
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
- 201 - DAILY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
1970:

CEILING	VISIBILITY IN STATUTE MILES									
	11 FEET	3 7	3 7	3 6	3 4	3 3	2 1/2	2	1 1/2	1 1/4
NO CEIL	56.2	56.5	49.6	50.9	50.3	50.6	51.1	51.1	51.1	51.5
CE 20000	52.2	54.2	54.6	55.5	55.2	55.2	55.7	55.7	55.7	56.2
CE 15000	52.6	54.2	54.9	55.0	55.3	55.3	57.2	57.2	57.2	57.4
CE 10000	52.7	54.3	54.9	55.0	55.3	55.3	57.2	57.2	57.2	57.4
CE 14000	52.9	54.7	55.4	55.5	57.2	57.2	57.5	57.5	57.5	57.7
CE 12000	53.3	55.2	55.3	55.9	57.5	57.5	58.1	58.1	58.1	58.3
CE 10000	59.2	59.1	59.9	60.2	60.3	60.3	61.2	61.2	61.2	61.6
CE 8000	59.5	59.4	59.1	60.2	61.2	61.0	61.4	61.4	61.4	61.7
CE 6000	59.7	59.7	61.4	62.5	63.2	63.2	63.5	63.5	63.5	64.0
CE 7000	59.5	61.2	62.2	63.5	64.1	64.1	64.5	64.5	64.5	64.7
CE 6000	59.1	62.2	63.5	64.2	64.9	64.9	65.5	65.5	65.5	65.7
CE 5000	61.7	63.9	64.7	65.9	65.7	65.7	67.2	67.2	67.2	67.6
CE 4500	62.5	64.7	65.5	65.3	67.3	67.5	68.1	68.1	68.1	68.3
CE 4000	64.2	67.4	68.3	68.5	70.3	70.3	71.0	71.0	71.0	71.2
CE 3500	65.2	67.7	68.2	69.2	70.5	70.5	71.3	71.3	71.3	71.5
CE 3000	65.3	68.5	69.4	70.5	71.4	71.4	72.0	72.0	72.0	72.3
CE 2500	67.1	69.9	70.3	72.2	72.9	72.9	73.5	73.5	73.5	73.7
CE 2000	69.2	71.9	73.3	74.5	75.7	75.7	75.5	75.5	75.5	75.7
CE 1800	71.5	73.7	75.3	75.3	77.7	78.0	78.5	78.5	78.5	78.7
CE 1500	72.3	75.3	77.1	78.6	79.5	79.5	80.4	80.4	80.4	80.5
CE 1200	74.2	77.1	79.5	81.4	82.5	82.7	83.5	83.3	83.3	83.5
CE 1000	75.2	78.4	81.0	83.1	84.3	84.5	85.4	85.4	85.4	85.7
CE 800	75.7	78.5	81.2	83.7	85.1	85.4	85.2	85.2	85.2	85.5
CE 600	76.5	79.5	82.3	85.1	86.6	86.9	88.0	88.0	88.0	88.2
CE 700	76.2	79.2	83.0	85.0	87.7	88.2	89.2	89.2	89.4	89.5
CE 500	76.9	79.8	83.2	85.7	88.5	89.2	90.5	90.5	90.5	91.1
CE 500	77.4	80.5	84.1	87.5	89.7	90.3	91.9	91.9	92.0	92.5
CE 400	77.5	80.8	84.6	88.4	91.0	91.5	93.5	93.9	94.0	94.4
CE 300	77.5	80.8	84.7	88.5	91.4	92.0	94.1	94.5	94.7	95.5
CE 200	77.5	80.5	84.7	88.7	91.5	92.3	94.4	95.3	95.4	95.5
CE 100	77.5	80.7	84.7	88.7	91.5	92.3	94.5	95.4	95.5	95.5
CE 500	77.5	80.7	84.7	88.7	91.5	92.3	94.5	95.4	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: 06-08

.....									
CITY IN STATUTE MILES									
CE 2	CE 1 1/2	CE 1 1/4	CE 1	CE 3/4	CE 5/8	CE 1/2	CE 3/8	CE 1/4	CE 0
.....									
51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.4	51.6
56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	57.0	57.2
57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.5	57.7
57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.5	57.7
57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.2
58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.4	58.6
61.2	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.5	61.7
61.4	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.7	61.9
63.6	63.6	63.6	64.0	64.0	64.0	64.0	64.0	64.1	64.3
64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.9	65.2
65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.8	66.0
67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.5	67.7
68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.4	68.6
71.0	71.0	71.0	71.2	71.2	71.2	71.2	71.2	71.3	71.5
71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.6	71.8
72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.6
73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.9	74.1
76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.9	77.1
78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.9	79.1
80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.8	81.0
83.3	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.7	83.9
85.4	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.7	85.9
86.2	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.6	86.8
88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.3	88.5
89.2	89.2	89.4	89.6	89.6	89.6	89.6	89.6	89.7	89.9
90.6	90.6	90.6	91.1	91.1	91.1	91.1	91.1	91.2	91.4
91.9	91.9	92.0	92.5	92.5	92.5	92.5	92.5	92.6	92.8
93.6	93.9	94.0	94.4	94.4	94.4	94.4	94.4	94.5	94.7
94.1	94.6	94.7	95.6	95.7	95.7	95.7	95.7	95.8	96.0
94.4	95.3	95.4	96.6	96.7	96.7	96.8	96.8	97.1	97.3
94.5	95.4	95.5	96.8	96.9	96.9	97.2	97.2	97.7	98.4
94.6	95.4	95.5	96.8	96.9	96.9	97.2	97.2	97.8	100.0
.....									

PERCENTAGE FREQUENCY OF OCCURRENCE OF
+100 FULLY DEVELOPED

STATION: JAG: TOWER 400 08
LST TO JTC: + 6

44

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD IS RECORDED: MAR 79 - FEB 80
MONTH: MAR HOURS: 00-11

MILEAGE IN STATUTE MILES										
	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1/2	1	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
49.0	49.3	49.4	49.4	49.3	49.3	49.3	49.3	49.3	49.3	50.0
49.1	49.4	49.5	49.5	49.4	49.4	49.4	49.4	49.4	49.4	50.1
49.2	49.5	49.6	49.6	49.5	49.5	49.5	49.5	49.5	49.5	50.2
49.3	49.6	49.7	49.7	49.6	49.6	49.6	49.6	49.6	49.6	50.3
49.4	49.7	49.8	49.8	49.7	49.7	49.7	49.7	49.7	49.7	50.4
49.5	49.8	49.9	49.9	49.8	49.8	49.8	49.8	49.8	49.8	50.5
49.6	49.9	50.0	50.0	49.9	49.9	49.9	49.9	49.9	49.9	50.6
49.7	50.0	50.1	50.1	50.0	50.0	50.0	50.0	50.0	50.0	50.7
49.8	50.1	50.2	50.2	50.1	50.1	50.1	50.1	50.1	50.1	50.8
49.9	50.2	50.3	50.3	50.2	50.2	50.2	50.2	50.2	50.2	50.9
50.0	50.3	50.4	50.4	50.3	50.3	50.3	50.3	50.3	50.3	51.0
50.1	50.4	50.5	50.5	50.4	50.4	50.4	50.4	50.4	50.4	51.1
50.2	50.5	50.6	50.6	50.5	50.5	50.5	50.5	50.5	50.5	51.2
50.3	50.6	50.7	50.7	50.6	50.6	50.6	50.6	50.6	50.6	51.3
50.4	50.7	50.8	50.8	50.7	50.7	50.7	50.7	50.7	50.7	51.4
50.5	50.8	50.9	50.9	50.8	50.8	50.8	50.8	50.8	50.8	51.5
50.6	50.9	51.0	51.0	50.9	50.9	50.9	50.9	50.9	50.9	51.6
50.7	51.0	51.1	51.1	51.0	51.0	51.0	51.0	51.0	51.0	51.7
50.8	51.1	51.2	51.2	51.1	51.1	51.1	51.1	51.1	51.1	51.8
50.9	51.2	51.3	51.3	51.2	51.2	51.2	51.2	51.2	51.2	51.9
51.0	51.3	51.4	51.4	51.3	51.3	51.3	51.3	51.3	51.3	52.0
51.1	51.4	51.5	51.5	51.4	51.4	51.4	51.4	51.4	51.4	52.1
51.2	51.5	51.6	51.6	51.5	51.5	51.5	51.5	51.5	51.5	52.2
51.3	51.6	51.7	51.7	51.6	51.6	51.6	51.6	51.6	51.6	52.3
51.4	51.7	51.8	51.8	51.7	51.7	51.7	51.7	51.7	51.7	52.4
51.5	51.8	51.9	51.9	51.8	51.8	51.8	51.8	51.8	51.8	52.5
51.6	51.9	52.0	52.0	51.9	51.9	51.9	51.9	51.9	51.9	52.6
51.7	52.0	52.1	52.1	52.0	52.0	52.0	52.0	52.0	52.0	52.7
51.8	52.1	52.2	52.2	52.1	52.1	52.1	52.1	52.1	52.1	52.8
51.9	52.2	52.3	52.3	52.2	52.2	52.2	52.2	52.2	52.2	52.9
52.0	52.3	52.4	52.4	52.3	52.3	52.3	52.3	52.3	52.3	53.0
52.1	52.4	52.5	52.5	52.4	52.4	52.4	52.4	52.4	52.4	53.1
52.2	52.5	52.6	52.6	52.5	52.5	52.5	52.5	52.5	52.5	53.2
52.3	52.6	52.7	52.7	52.6	52.6	52.6	52.6	52.6	52.6	53.3
52.4	52.7	52.8	52.8	52.7	52.7	52.7	52.7	52.7	52.7	53.4
52.5	52.8	52.9	52.9	52.8	52.8	52.8	52.8	52.8	52.8	53.5
52.6	52.9	53.0	53.0	52.9	52.9	52.9	52.9	52.9	52.9	53.6

OPERATING LOCATION: "M"
 WEATHERED, ASH VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 "M" JULY 1954

STATION NUMBER: 203490

STATION NAME: TINKER AFB, OK
 EST. TO UTC: + 6

1-21
 1954

CEILING FEET	VISIBILITY IN STATUTE MILES									
	1	2	3	4	5	6	7	8	9	10
	1/8	1/4	3/8	1/2	3/4	1	1 1/8	1 1/4	1 3/8	1 1/2
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60-100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 930

THE FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 70 - MAR 69										
MONTH: MAR HOURS: 12-14										
VISIBILITY IN STATUTE MILES										
0	5	10	15	20	25	30	35	40	45	50
0	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0	0
52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
99.2	99.4	98.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.5	99.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	98.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.5	99.9	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

DISCONTINUED FREQUENCY OF OCCURRENCE OF
 ALLERGENS IN THE AIR

100

1. 7. 1952

TOTAL NUMBER OF INVESTIGATIONS 230

FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: 15-17

VISIBILITY IN STATUTE MILES										
0	0	1	1	5/8	3/4	5/8	1/2	3/4	1/4	0
0	1	1 1/2	1 1/4	1	3/4	5/8	1/2	3/4	1/4	0
50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NO.

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR HOURS: 18-20

VISIBILITY IN STATUTE MILES

GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
63.1	63.3	63.3	63.5	63.2	63.3	63.5	63.9	63.4	63.4	62.4
62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
88.2	88.2	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
88.5	88.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
89.6	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
91.0	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
92.7	92.7	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
93.4	93.4	94.2	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5
94.1	94.2	95.4	95.4	95.6	95.6	95.6	95.7	95.7	95.7	95.7
96.1	96.5	96.8	96.8	97.0	97.0	97.0	97.1	97.2	97.2	97.2
98.5	97.4	98.5	98.6	98.4	98.8	98.2	99.0	99.1	99.1	99.2
98.5	98.2	98.8	98.9	99.2	99.2	99.2	99.5	99.5	99.6	99.7
98.5	98.2	98.5	99.0	99.4	99.6	99.6	99.8	99.9	99.9	100.0
98.5	98.2	98.8	99.0	99.4	99.6	99.6	99.8	99.9	99.9	100.0
98.5	98.2	98.8	99.0	99.4	99.6	99.6	99.8	99.9	99.9	100.0

OPERATING LOCATION: "AW"
ISAFTRAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 720040

STATION NAME: TINKER AFB OK

PERIOD: 1

EST TO UTC: + 6

MONTH: 47

CHILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
01 CHIL	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
01 20000	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
05 1 000	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
07 14000	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
07 14000	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
08 12000	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
07 12000	55.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
08 20000	55.2	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
08 20000	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
08 70000	70.1	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
07 50000	70.4	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
08 40000	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
07 40000	74.4	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
08 40000	74.4	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
08 40000	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
08 35000	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
07 30000	79.5	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
08 20000	83.7	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
08 20000	85.7	87.0	87.5	88.1	88.5	88.5	88.5	88.6	88.6	88.6
08 18000	85.1	87.4	88.0	88.5	88.9	88.9	88.9	88.9	88.9	88.9
08 15000	87.0	88.3	89.2	89.7	89.9	89.9	89.9	89.9	89.9	89.9
08 12000	88.0	89.2	89.3	91.0	91.4	91.4	91.7	91.7	91.7	91.7
08 10000	88.8	90.0	91.2	92.0	92.5	92.5	92.7	92.8	92.8	92.8
08 9000	89.1	90.4	91.7	92.5	93.2	93.2	93.7	93.8	93.8	93.8
08 8000	90.0	90.3	92.0	93.1	93.9	93.9	94.3	94.4	94.4	94.4
08 7000	92.2	91.2	92.5	93.5	94.5	94.6	95.1	95.2	95.2	95.2
08 6000	90.5	91.4	92.9	94.2	95.5	95.5	96.1	96.2	96.2	96.2
08 5000	89.7	91.7	93.3	94.3	95.3	95.3	97.0	97.1	97.1	97.2
08 4000	89.7	91.7	93.3	94.3	95.5	95.5	97.5	98.1	98.1	98.3
08 3000	89.3	91.4	93.7	95.2	97.0	97.2	98.6	99.1	99.1	99.5
08 2000	89.5	91.4	93.7	95.2	97.0	97.2	98.5	99.1	99.1	99.5
08 1000	89.3	91.4	93.7	95.2	97.0	97.2	98.5	99.1	99.1	99.5
07 0000	89.3	91.0	93.7	95.2	97.0	97.2	98.5	99.1	99.1	99.5

TOTAL NUMBER OF OBSERVATIONS 930

THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TABLE 2K

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR HOURS: 21-23

VISIBILITY IN STATUTE MILES										
1/2	3/4	1 1/2	1 3/4	2	2 3/4	3	3 3/4	4	4 3/4	5
54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

OPERATING LOCATION: WAM
USAF-ATC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CFI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
EST TO UTC: + 6

PERIOD:
MONTH:

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	GE 7	GE 8	GE 9	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	52.4	53.7	53.5	53.5	53.7	53.7	53.8	53.8	53.8	53.8
GE 20000	59.1	59.0	59.3	59.5	59.7	59.7	59.7	59.7	59.8	59.8
GE 18000	59.2	59.5	59.3	59.1	59.2	59.2	59.3	59.3	59.3	59.4
GE 16000	59.7	59.7	59.1	59.1	59.2	59.2	59.3	59.3	59.3	59.4
GE 14000	59.2	59.1	59.4	59.7	59.3	59.3	59.9	59.9	59.9	59.9
GE 12000	59.5	59.2	59.6	59.8	59.0	59.0	59.0	59.0	59.0	59.1
GE 10000	59.1	59.5	59.3	59.3	59.4	59.4	59.5	59.5	59.5	59.5
GE 8000	59.2	59.2	59.3	59.5	59.4	59.4	59.3	59.3	59.3	59.3
GE 6000	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 4000	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 2000	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 1000	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 500	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 250	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 100	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 50	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 25	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 10	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 5	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 1	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4
GE 0	59.2	59.3	59.5	59.7	59.4	59.4	59.4	59.4	59.4	59.4

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR HOURS: ALL

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DISTANCE IN STATUTE MILES

GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9
60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9
61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0
63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.2
65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6
65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0
67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6
83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9
84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7
88.8	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0
90.7	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.8
92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.9	93.9
94.7	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.2
96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
96.9	97.2	97.3	97.6	97.7	97.7	97.8	97.8	97.8	97.9
97.4	97.8	97.9	98.5	98.6	98.6	98.7	98.7	98.8	98.8
97.4	98.0	98.1	98.8	98.9	99.0	99.1	99.1	99.2	99.3
97.5	98.0	98.1	98.8	99.0	99.0	99.2	99.2	99.4	99.6
97.5	98.0	98.1	98.8	99.0	99.0	99.2	99.2	99.4	100.0

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OPERATING LOCATION: WAW
USAFCTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 10	GE 11	GE 12 1/2	GE 13	GE 14 1/2	GE 15 1/2	GE 16 1/2
NO CEIL	63.1	63.7	64.4	64.6	65.0	65.0	65.0	65.0	65.0	65.0
GE 20000	69.0	69.7	70.3	70.4	70.9	70.9	70.9	70.9	70.9	70.9
GE 18000	69.0	69.7	70.3	70.4	70.9	70.9	70.9	70.9	70.9	70.9
GE 16000	69.0	69.7	70.3	70.4	70.9	70.9	70.9	70.9	70.9	70.9
GE 14000	69.2	69.9	70.5	70.7	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	69.7	70.4	71.1	71.2	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	73.1	73.7	74.3	74.4	74.9	74.9	74.9	74.9	74.9	74.9
GE 9000	73.1	73.7	74.3	74.4	74.9	74.9	74.9	74.9	74.9	74.9
GE 8000	75.4	75.1	75.3	75.9	77.3	77.3	77.3	77.3	77.3	77.3
GE 7000	76.6	77.2	77.4	78.0	78.4	78.4	78.4	78.4	78.4	78.4
GE 6000	77.2	77.9	78.5	78.7	79.1	79.1	79.1	79.1	79.1	79.1
GE 5000	79.2	79.6	80.5	80.7	81.1	81.1	81.1	81.1	81.1	81.1
GE 4500	79.7	80.5	81.2	81.3	81.5	81.5	81.5	81.5	81.5	81.5
GE 4000	81.9	82.3	83.0	83.7	84.1	84.1	84.1	84.1	84.1	84.1
GE 3500	82.4	83.4	84.1	84.2	84.7	84.7	84.7	84.7	84.7	84.7
GE 3000	83.5	84.7	85.4	85.6	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	84.3	85.6	86.5	86.7	87.1	87.1	87.1	87.1	87.1	87.1
GE 2000	86.1	87.2	88.2	88.3	88.7	88.8	88.8	88.8	88.8	88.8
GE 1800	86.2	87.0	88.0	88.1	88.5	88.5	88.5	88.5	88.5	88.5
GE 1600	88.1	89.3	89.3	89.4	89.9	89.9	89.9	89.9	89.9	89.9
GE 1400	89.3	89.9	91.7	91.8	92.2	92.2	92.4	92.4	92.4	92.4
GE 1200	90.9	91.3	93.0	93.1	93.8	93.8	94.1	94.1	94.1	94.1
GE 1000	90.2	92.2	93.4	93.7	94.3	94.3	94.7	94.7	94.7	94.7
GE 900	90.4	92.4	93.7	93.9	94.6	94.6	95.0	95.0	95.0	95.0
GE 800	90.7	92.8	94.3	94.7	95.3	95.3	95.8	95.8	95.8	95.8
GE 600	90.7	92.9	94.7	95.0	95.3	95.9	96.3	96.3	96.3	96.3
GE 500	90.9	93.2	95.0	95.3	95.2	95.2	97.1	97.1	97.1	97.1
GE 400	90.9	93.2	95.1	95.7	95.6	95.6	97.7	97.7	97.7	97.7
GE 300	90.9	93.3	95.4	95.0	97.2	97.3	98.4	98.4	98.4	98.5
GE 200	90.9	93.3	95.4	95.0	97.2	97.3	98.6	98.6	98.6	98.7
GE 100	90.9	93.3	95.4	95.0	97.2	97.3	98.6	98.6	98.6	98.8
GE 000	90.9	93.3	95.4	95.0	97.2	97.3	98.6	98.6	98.6	98.8

TOTAL NUMBER OF OBSERVATIONS 900

TABLE: FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE ARTHUR

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: APR HOURS: 00-02

..... VISIBILITY IN STATUTE MILES

GE 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/3	GE 1/4	GE 0
65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.6	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.9	99.0	99.0
98.6	98.6	98.6	98.6	98.8	99.0	99.0	99.3	99.7	99.7	100.0
98.6	98.6	98.6	98.6	98.8	99.0	99.0	99.3	99.7	99.9	100.0
98.6	98.6	98.6	98.6	98.8	99.0	99.0	99.3	99.7	99.9	100.0

OPERATING LOCATION "A"
USAFSTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723741

STATION NAME: TINKLE AFB, NC
LST TO UTC: + 6

PERIOD
MONTHS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	60.7	60.7	61.0	61.0	62.0	62.0	62.1	62.1	62.1	62.1
GE 20000	64.0	64.0	65.4	65.2	65.4	65.4	65.5	65.5	65.5	65.5
GE 18000	64.0	64.0	65.4	65.2	65.4	65.4	65.5	65.5	65.5	65.5
GE 16000	64.1	65.1	65.9	65.3	65.5	65.5	65.7	65.7	65.7	65.7
GE 14000	64.1	65.1	65.9	65.3	65.5	65.5	65.7	65.7	65.7	65.7
GE 12000	65.1	65.1	65.9	67.3	67.5	67.5	67.7	67.7	67.7	67.7
GE 10000	67.5	68.0	69.7	70.1	70.3	70.3	70.4	70.4	70.4	70.4
GE 9000	68.1	69.2	70.0	70.4	70.7	70.7	70.8	70.8	70.8	70.8
GE 8000	71.2	72.3	73.1	73.5	73.8	73.8	73.9	73.9	73.9	73.9
GE 7000	72.3	73.4	74.2	74.7	74.9	74.9	75.0	75.0	75.0	75.0
GE 6000	72.3	73.0	74.7	75.1	75.3	75.3	75.4	75.4	75.4	75.4
GE 5000	75.0	76.1	76.9	77.3	77.5	77.5	77.7	77.7	77.7	77.7
GE 4500	75.1	77.3	78.1	78.5	78.8	78.8	78.9	78.9	78.9	78.9
GE 4000	75.2	77.5	78.3	80.0	81.0	81.0	81.2	81.2	81.2	81.2
GE 3500	79.2	80.7	81.5	82.0	82.2	82.2	82.4	82.4	82.4	82.4
GE 3000	80.4	82.0	82.9	83.4	83.8	83.8	84.0	84.0	84.0	84.0
GE 2500	81.0	82.9	83.9	84.4	84.9	84.9	85.1	85.1	85.1	85.1
GE 2000	82.2	84.4	85.4	85.8	85.9	85.9	85.7	85.7	85.7	85.7
GE 1800	82.5	84.9	85.9	85.4	85.9	85.9	87.1	87.1	87.1	87.2
GE 1600	84.3	86.9	88.0	88.2	89.3	89.3	89.5	89.5	89.5	89.7
GE 1200	85.2	87.9	89.0	89.7	90.3	90.3	90.5	90.5	90.5	90.7
GE 1000	85.9	88.6	89.7	90.4	91.1	91.1	91.3	91.3	91.3	91.4
GE 900	85.9	88.5	90.1	90.9	91.5	91.5	91.8	91.8	91.8	91.8
GE 800	85.4	89.2	90.2	91.5	92.4	92.4	92.8	92.8	92.8	92.8
GE 700	85.5	89.7	91.2	92.1	93.4	93.4	93.9	93.9	93.9	94.0
GE 600	87.2	90.3	92.0	93.0	94.5	94.5	95.3	95.3	95.3	95.4
GE 500	87.3	91.0	92.7	93.7	95.7	95.7	95.8	95.8	95.8	95.9
GE 400	87.2	91.0	92.7	93.7	95.7	95.7	97.0	97.0	97.0	97.1
GE 300	87.2	91.1	92.9	93.9	95.9	95.9	97.2	97.3	97.3	97.4
GE 200	87.3	91.1	92.9	94.0	95.1	95.1	97.6	97.8	97.8	97.9
GE 100	87.6	91.1	92.9	94.0	95.1	95.1	97.5	97.8	97.8	97.9
GE 000	87.3	91.1	92.9	94.0	95.1	95.1	97.5	97.8	97.8	97.9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: APR HOURS: 03-05

VISIBILITY IN STATUTE MILES											
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7
65.4	65.4	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.7	65.7
65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8
65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8
67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8
70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5
70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9
73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0	74.0
74.2	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1
75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5
77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8
78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3
82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5
83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
85.9	85.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2
85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
85.9	85.9	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3
89.3	89.3	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.8	89.8
90.3	90.3	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.8	90.8
91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.5	91.5
91.5	91.5	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0
92.4	92.4	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0
93.4	93.4	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
94.5	94.5	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.5	95.5
95.7	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	96.0	96.0
95.7	95.7	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2
95.9	95.9	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5
95.1	95.1	97.6	97.8	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0
95.1	95.1	97.6	97.8	97.8	97.9	98.1	98.1	98.1	98.3	98.9	99.4
95.1	95.1	97.5	97.8	97.8	97.9	98.1	98.1	98.3	98.9	99.3	100.0

OPERATING LOCATION: "AM"
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM DAILY OBSERVATIONS

STATION NUMBER: 723543

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERI
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 1
NO CEIL	61.2	61.2	62.4	63.3	63.4	63.8	63.2	63.2	63.9	63.2
GE 2000	62.3	67.4	69.1	69.1	69.1	69.4	69.4	69.5	69.4	69.4
GE 1800	64.7	67.6	67.2	69.1	69.2	69.6	69.6	69.7	69.7	69.7
GE 1600	66.9	67.5	69.4	69.3	69.4	69.6	69.7	69.9	69.9	69.9
GE 1400	67.1	67.2	68.7	69.4	69.7	69.9	69.9	69.9	69.9	69.9
GE 1200	67.7	69.1	69.2	69.1	69.3	69.7	69.7	69.8	69.8	69.8
GE 1000	67.7	69.7	69.3	69.2	69.4	69.6	69.6	69.9	69.9	69.9
GE 800	67.7	69.7	69.3	69.2	69.4	69.6	69.6	69.9	69.9	69.9
GE 600	67.7	69.7	69.3	69.2	69.4	69.6	69.6	69.9	69.9	69.9
GE 400	71.0	71.3	72.1	73.0	73.2	73.6	73.6	73.7	73.7	73.7
GE 300	71.0	72.2	73.2	73.2	74.1	74.4	74.4	74.4	74.5	74.5
GE 200	72.1	74.1	74.2	75.0	75.2	75.6	75.6	75.7	75.7	75.7
GE 150	73.0	74.9	75.7	75.7	77.0	77.3	77.3	77.4	77.4	77.4
GE 100	75.0	75.0	75.0	77.0	77.2	77.6	77.6	77.7	77.7	77.7
GE 80	75.1	77.2	78.2	79.3	79.7	80.0	80.0	80.1	80.1	80.1
GE 60	77.0	77.2	80.2	81.3	81.3	82.1	82.1	82.2	82.2	82.2
GE 40	77.0	77.4	80.4	81.6	82.0	82.6	82.6	82.8	82.8	82.8
GE 20	79.3	81.0	82.1	83.4	83.9	84.2	84.2	84.3	84.3	84.3
GE 10	81.4	83.0	84.2	85.2	85.2	87.1	87.1	87.2	87.2	87.2
GE 5	82.2	85.3	85.6	86.3	89.1	89.4	89.5	89.7	89.7	89.7
GE 2	87.0	88.0	87.3	89.3	90.1	90.4	90.6	90.7	90.7	90.7
GE 1	84.1	88.6	89.1	90.3	91.3	91.7	91.8	92.0	92.0	92.0
GE 0	84.5	87.1	89.0	91.3	92.3	92.7	92.8	93.0	93.0	93.0
GE 0	85.1	88.1	90.0	92.3	93.6	93.9	94.0	94.2	94.3	94.4
GE 0	85.0	88.0	91.0	93.4	94.3	95.2	95.4	95.9	95.9	95.9
GE 0	85.1	89.0	91.1	93.3	95.7	96.2	96.6	97.3	97.3	97.3
GE 0	85.0	90.1	91.2	93.0	95.9	96.6	97.1	97.7	98.1	98.3
GE 0	85.0	89.1	91.2	93.0	95.2	96.6	97.1	97.3	98.3	98.6
GE 0	85.0	89.1	91.2	93.9	95.2	96.6	97.1	97.3	98.3	98.7
GE 0	85.0	89.1	91.2	93.9	95.9	96.6	97.1	97.3	98.3	98.7

TOTAL NUMBER OF OBSERVATIONS 200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY
FROM ADJPLY OBSERVATIONS

STATION: TINKER AFB OK

PERIOD OF RECORD: MAR 72 - FEB 89

MONTH: APR HOURS: 06-08

VISIBILITY IN STATUTE MILES											
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
53.0	53.0	53.0	53.0	53.0	53.0	54.0	54.0	54.0	54.0	54.0	54.0
53.1	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
53.2	59.5	59.5	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8
53.3	59.6	59.6	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
53.7	60.0	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
53.8	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
53.9	65.3	65.3	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
54.0	65.9	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1
54.1	69.4	69.4	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7
54.2	70.6	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0
54.3	71.3	71.3	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6
54.4	73.6	73.6	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
54.5	74.4	74.4	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7
54.6	75.5	75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
54.7	77.3	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6
54.8	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8
54.9	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
55.0	82.1	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3
55.1	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
55.2	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
55.3	87.1	87.1	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3
55.4	89.4	89.5	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
55.5	90.4	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8
55.6	91.7	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
55.7	92.7	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
55.8	93.9	94.0	94.2	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5
55.9	95.2	95.4	95.9	95.9	95.9	96.2	96.2	96.2	96.3	96.3	96.3
56.0	96.2	96.5	97.3	97.3	97.3	98.0	98.0	98.0	98.1	98.1	98.1
56.1	95.6	97.1	97.7	98.1	98.3	98.4	98.6	98.6	98.7	98.7	98.7
56.2	96.6	97.1	97.8	98.3	98.6	98.8	98.9	99.0	99.1	99.1	99.1
56.3	96.6	97.1	97.8	98.3	98.7	98.9	99.0	99.3	99.7	100.0	100.0
56.4	96.5	97.1	97.5	98.3	98.7	98.9	99.0	99.3	99.7	100.0	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM EMPLOYEES' OBSERVATIONS

2011
2012

TOTAL NUMBER OF OBSERVATIONS 300

FROM HOPLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: APR HOURS: 09-11

RELIABILITY IN STATISTICAL TESTS

IMAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: KJW PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR HOURS: 12-14

VISIBILITY IN STATUTE MILES										
GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
66.3	66.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
74.1	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
75.3	75.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7
87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7
90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4
93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1
95.1	95.2	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6
95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7
95.3	95.6	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9
96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6
97.3	97.7	97.9	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1
98.3	98.2	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
99.2	99.4	99.2	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6
99.3	99.9	99.3	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.9
99.3	99.0	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	100.0
99.3	99.0	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	100.0
99.3	99.0	99.3	99.4	99.8	99.8	99.8	99.9	99.9	99.9	100.0

OPERATING LOCATION: "A"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
AND VISIBILITY OBSERVATIONS

STATION NUMBER: 725840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH: 7

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 2	G 5	GE 5	GE 4	GE 3	GE 2 1/2	G 2	G 1 1/2	G 1 1/4	G 1
NO CEIL	55.3	57.4	55.4	55.2	55.9	55.1	55.2	55.2	55.2	55.2
GE 20000	55.7	55.1	55.3	55.3	55.4	55.7	55.3	55.2	55.2	55.2
GE 15000	55.7	55.1	55.3	55.3	55.4	55.7	55.3	55.2	55.2	55.2
GE 10000	55.7	55.1	55.3	55.3	55.4	55.7	55.3	55.2	55.2	55.2
GE 14000	55.9	55.3	55.5	55.5	55.7	55.9	57.0	57.0	57.0	57.0
GE 12000	55.5	57.0	57.2	57.2	57.3	57.5	57.7	57.7	57.7	57.7
GE 10000	70.4	71.0	71.2	71.2	71.4	71.5	71.7	71.7	71.7	71.7
GE 9000	70.7	71.1	71.3	71.3	71.4	71.7	71.3	71.3	71.3	71.3
GE 8000	73.7	74.1	74.3	74.3	74.4	74.7	74.3	74.3	74.3	74.3
GE 7000	74.7	75.1	75.3	75.3	75.4	75.7	75.5	75.3	75.2	75.2
GE 6000	75.2	75.5	75.2	75.2	75.3	75.5	75.7	75.7	75.7	75.7
GE 5000	75.2	75.4	75.7	75.3	75.5	77.1	77.2	77.2	77.2	77.2
GE 4500	77.3	75.2	75.2	75.3	75.4	75.7	75.3	75.3	75.3	75.3
GE 4000	77.2	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3500	74.3	74.5	75.0	75.1	75.2	75.4	75.6	75.6	75.6	75.6
GE 3000	77.1	77.5	77.4	77.2	77.2	77.2	77.3	77.3	77.3	77.3
GE 2500	79.3	79.0	79.2	79.3	79.4	79.7	79.5	79.7	79.6	79.7
GE 2000	79.2	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1500	79.2	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1000	79.4	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 700	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 600	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 500	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 400	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 300	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 200	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 100	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 000	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WASH DC

PERIOD OF RECORD: MAR 70 - FEB 80
MONTH: APR HOURS: 15-17

VISIBILITY IN STATUTE MILES										
GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
56.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
75.8	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
96.3	96.3	96.3	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
96.3	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.3	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
97.8	98.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.2	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
98.2	99.2	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
98.2	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
98.2	99.2	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
98.2	99.2	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
98.2	99.2	99.4	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	60.2	60.5	59.9	59.9	60.0	60.0	60.1	60.1	60.3	60.3
GE 20000	70.4	70.8	71.1	71.1	71.2	71.2	71.3	71.3	71.6	71.6
GE 18000	71.0	71.3	71.7	71.7	71.8	71.8	71.9	71.9	72.1	72.1
GE 16000	71.0	71.3	71.7	71.7	71.8	71.8	71.9	71.9	72.1	72.1
GE 14000	71.5	71.9	72.2	72.2	72.3	72.3	72.4	72.4	72.7	72.7
GE 12000	73.1	73.4	73.8	73.8	73.9	73.9	74.0	74.0	74.2	74.2
GE 10000	75.5	77.1	77.5	77.5	77.8	77.8	77.9	77.9	78.1	78.1
GE 9000	76.5	77.1	77.5	77.5	77.8	77.8	77.9	77.9	78.1	78.1
GE 8000	79.0	79.6	80.0	80.0	80.2	80.2	80.3	80.3	80.5	80.5
GE 7000	79.8	80.3	80.3	80.8	81.0	81.0	81.1	81.1	81.3	81.3
GE 6000	80.1	80.7	81.1	81.1	81.3	81.3	81.4	81.4	81.7	81.7
GE 5000	81.2	81.2	82.2	82.2	82.4	82.4	82.5	82.5	82.8	82.8
GE 4500	82.4	83.4	83.9	84.0	84.2	84.2	84.3	84.3	84.5	84.5
GE 4000	85.9	87.4	87.9	88.0	88.2	88.2	88.3	88.3	88.5	88.5
GE 3500	88.1	88.7	89.1	89.2	89.4	89.4	89.5	89.5	89.8	89.8
GE 3000	88.3	89.3	89.8	89.9	90.1	90.1	90.2	90.2	90.4	90.4
GE 2500	89.2	90.4	91.0	91.1	91.4	91.4	91.5	91.5	91.8	91.8
GE 2000	90.7	91.3	91.9	92.1	92.4	92.4	92.5	92.5	92.8	92.8
GE 1800	91.4	92.2	92.9	93.1	93.4	93.4	93.5	93.5	93.8	93.8
GE 1500	92.5	93.4	94.2	94.4	94.8	94.8	94.9	94.9	95.1	95.1
GE 1200	92.9	93.3	94.5	94.8	95.1	95.1	95.2	95.2	95.4	95.4
GE 1000	93.3	94.2	95.6	95.3	95.2	95.2	95.3	95.3	95.6	95.7
GE 900	94.1	95.1	95.9	95.2	95.7	95.7	95.3	95.8	97.0	97.1
GE 800	94.3	95.4	95.2	95.5	97.0	97.0	97.1	97.1	97.3	97.4
GE 700	94.7	95.8	96.5	95.9	97.3	97.3	97.4	97.5	97.6	97.7
GE 600	94.8	95.9	96.7	97.1	97.7	97.7	98.0	98.1	98.3	98.4
GE 500	94.9	95.1	95.9	97.3	97.9	97.9	98.2	98.4	98.7	98.8
GE 400	94.9	95.1	97.0	97.7	98.2	98.2	98.7	98.9	99.1	99.3
GE 300	94.9	95.1	97.0	97.7	98.2	98.2	98.7	98.9	99.1	99.3
GE 200	95.0	95.2	97.1	97.8	98.3	98.3	98.8	99.0	99.2	99.4
GE 100	95.0	95.2	97.1	97.8	98.3	98.3	98.8	99.0	99.2	99.4
GE 000	95.0	95.2	97.1	97.8	98.3	98.3	98.8	99.0	99.2	99.4

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: APR HOURS: 18-20

VISIBILITY IN STATUTE MILES

	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
60.0	60.0	60.1	60.1	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4
61.2	71.2	71.3	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
62.2	71.5	71.9	71.9	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2
63.2	71.6	71.9	71.9	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2
64.3	72.3	72.4	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
65.2	73.9	74.0	74.0	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
66.2	77.3	77.9	77.9	78.1	78.1	78.2	78.2	78.3	78.3	78.3	78.3
67.2	77.3	77.9	77.9	78.1	78.1	78.2	78.2	78.3	78.3	78.3	78.3
68.2	80.2	80.3	80.3	80.6	80.6	80.7	80.7	80.8	80.8	80.8	80.8
69.2	81.0	81.1	81.1	81.3	81.3	81.4	81.4	81.6	81.6	81.6	81.6
70.2	81.3	81.4	81.4	81.7	81.7	81.8	81.8	81.9	81.9	81.9	81.9
71.4	82.4	82.6	82.6	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0
72.2	84.2	84.3	84.3	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8
73.2	84.2	84.3	84.3	84.6	84.6	84.7	84.7	84.8	84.8	84.8	84.8
74.4	89.4	89.6	89.6	89.8	89.8	89.9	89.9	90.0	90.0	90.0	90.0
75.1	90.1	90.2	90.2	90.4	90.4	90.6	90.6	90.7	90.7	90.7	90.7
76.2	91.4	91.5	91.6	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0
77.4	92.4	92.6	92.6	92.8	92.8	92.9	92.9	93.0	93.0	93.0	93.0
78.2	93.4	93.6	93.6	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0
79.2	94.8	94.9	94.9	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3
80.1	95.1	95.2	95.2	95.4	95.4	95.6	95.6	95.7	95.7	95.7	95.7
81.2	96.2	96.3	96.3	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9
82.7	96.7	96.8	96.8	97.0	97.1	97.2	97.2	97.3	97.3	97.3	97.3
83.2	97.0	97.1	97.1	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7
84.3	97.3	97.4	97.6	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.1
85.7	97.7	98.0	98.1	98.3	98.4	98.6	98.6	98.7	98.7	98.7	98.7
86.2	97.9	98.2	98.4	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0
87.2	98.2	98.7	98.9	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6
88.2	98.2	98.7	98.9	99.1	99.3	99.4	99.4	99.6	99.6	99.6	99.6
89.3	98.3	98.8	99.0	99.2	99.4	99.6	99.6	99.8	99.8	99.8	99.8
90.3	98.3	98.8	99.0	99.2	99.4	99.6	99.6	99.8	99.8	99.9	100.0
91.3	98.3	98.8	99.0	99.2	99.4	99.6	99.6	99.8	99.8	99.9	100.0

OPERATING LOCATION "A"
 NISABETAC, ASH-VILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

PERIOD:
 MONTH: 1

.....										
CEILING						VISIBILITY IN STATUTE MILES				
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
.....										
NO CEIL	64.2	65.1	65.5	65.5	65.9	65.9	65.9	66.0	66.0	66.2
GE 20000	73.2	73.5	74.0	74.0	74.3	74.3	74.3	74.4	74.4	74.4
GE 18000	73.2	73.5	74.0	74.0	74.3	74.3	74.3	74.4	74.4	74.4
GE 16000	73.2	73.6	74.0	74.0	74.3	74.3	74.3	74.4	74.4	74.4
GE 14000	73.7	74.0	74.4	74.4	74.8	74.9	74.9	74.9	74.9	74.9
GE 12000	74.4	74.9	75.2	75.2	75.6	75.6	75.6	75.7	75.7	75.7
GE 10000	77.3	77.3	77.3	78.5	79.1	79.1	79.1	79.2	79.2	79.2
GE 9000	77.3	77.3	78.3	78.3	79.1	79.1	79.1	79.2	79.2	79.2
GE 8000	79.3	79.0	80.7	80.7	81.0	81.0	81.0	81.1	81.1	81.1
GE 7000	79.3	80.4	81.2	81.2	81.6	81.6	81.6	81.7	81.7	81.7
GE 6000	79.9	80.5	81.2	81.2	81.6	81.6	81.6	81.7	81.7	81.7
GE 5000	81.2	81.3	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0
GE 4800	82.7	83.4	84.4	84.4	84.8	84.8	84.8	84.9	84.9	84.9
GE 4000	85.1	85.9	87.5	87.5	87.9	87.9	87.9	88.0	88.0	88.0
GE 3600	86.2	87.6	88.2	88.4	88.9	88.9	88.9	89.0	89.0	89.0
GE 3000	87.1	88.4	89.1	89.3	89.8	89.8	89.8	89.9	89.9	89.9
GE 2500	89.0	89.4	89.3	89.5	91.0	91.0	91.0	91.1	91.1	91.1
GE 2000	89.5	90.1	91.1	91.3	91.5	91.5	91.5	91.6	91.6	91.6
GE 1800	89.0	90.6	91.6	91.3	92.3	92.3	92.3	92.4	92.4	92.4
GE 1600	89.9	91.6	92.7	92.9	93.4	93.4	93.4	93.5	93.5	93.7
GE 1200	91.1	92.9	94.0	94.2	94.8	94.8	94.8	94.9	94.9	95.0
GE 1000	91.4	93.3	95.1	95.3	95.9	95.9	95.9	96.0	96.0	96.1
GE 900	92.3	94.3	95.7	95.9	96.4	96.4	96.4	96.5	96.5	96.7
GE 800	92.7	94.7	96.0	96.2	96.8	96.8	96.8	97.0	97.0	97.1
GE 700	93.0	95.0	96.4	96.7	97.2	97.2	97.3	97.4	97.4	97.5
GE 600	93.2	95.2	96.7	96.9	97.4	97.4	97.5	97.7	97.7	97.8
GE 500	93.2	95.2	96.3	97.0	97.6	97.6	97.7	97.8	97.8	98.0
GE 400	93.2	95.2	96.2	97.1	97.9	98.1	98.2	98.3	98.3	98.5
GE 300	93.2	95.2	96.3	97.1	98.0	98.4	98.6	98.7	98.7	99.3
GE 200	93.2	95.2	96.3	97.1	98.2	98.7	98.9	99.0	99.0	99.7
GE 100	93.2	95.2	96.3	97.1	98.2	98.7	98.9	99.0	99.0	99.7
GE 900	93.2	95.2	96.3	97.1	98.2	98.7	98.9	99.0	99.0	99.7
.....										

TOTAL NUMBER OF OBSERVATIONS 900

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

APR 30

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: APR HOURS: 21-23

..... VISIBILITY IN STATUTE MILES

GE 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
84.3	84.3	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
93.4	93.4	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
95.9	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
96.4	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
97.2	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
97.4	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.5	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
98.1	98.2	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.4	98.6	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
98.7	98.9	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7
98.7	98.9	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.9
98.7	98.9	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
EST ID UTC: + 6

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
71 CEIL	57.4	57.3	58.3	58.5	58.7	58.8	58.8	58.9	58.9	58.9
GE 20000	58.1	58.7	58.2	58.4	58.5	58.6	58.7	58.7	58.8	58.8
GE 18000	58.3	58.3	58.3	58.6	58.7	58.8	58.9	58.9	58.9	58.9
GE 16000	58.4	58.0	58.4	58.6	58.8	58.9	58.9	57.0	57.0	57.0
GE 14000	58.7	58.3	58.7	58.9	57.1	57.2	57.2	57.3	57.3	57.3
GE 12000	58.8	57.4	57.7	58.9	58.2	58.3	58.3	58.4	58.4	58.4
GE 10000	72.1	70.4	71.3	71.5	71.7	71.7	71.8	71.8	71.9	71.9
GE 8000	72.3	71.1	71.5	71.7	71.9	72.0	72.0	72.1	72.1	72.1
GE 6000	72.7	73.5	74.4	74.6	74.7	74.7	74.7	75.0	75.0	75.1
GE 4000	74.1	74.4	75.3	75.5	75.7	75.8	75.9	75.9	75.9	75.9
GE 2000	74.7	75.8	75.9	76.2	76.4	76.5	76.5	76.5	76.6	76.6
GE 5000	76.9	76.7	77.2	77.4	77.7	77.7	77.8	77.8	77.9	77.9
GE 4500	77.1	77.1	77.5	77.7	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	77.1	77.9	78.4	78.7	78.9	78.9	78.9	78.9	78.9	78.9
GE 3500	81.6	82.0	82.5	82.8	83.0	83.1	83.2	83.2	83.2	83.2
GE 3000	82.5	83.4	84.1	84.4	84.7	84.7	84.7	84.9	84.9	84.9
GE 2500	86.3	86.2	86.8	86.2	86.5	86.6	86.6	86.7	86.7	86.7
GE 2000	86.3	86.3	87.5	88.0	88.3	88.4	88.5	88.5	88.5	88.5
GE 1800	86.3	87.4	88.2	88.5	88.9	89.0	89.1	89.2	89.2	89.2
GE 1600	87.4	88.6	89.7	90.2	90.5	90.6	90.7	90.7	90.7	90.6
GE 1200	88.7	89.4	91.3	91.9	92.2	92.3	92.4	92.5	92.5	92.5
GE 1000	92.3	91.5	92.4	92.9	93.5	93.6	93.6	93.9	93.9	93.9
GE 800	93.4	91.5	92.9	93.4	93.9	94.1	94.3	94.3	94.4	94.4
GE 600	93.3	92.4	93.5	94.1	94.2	94.9	95.2	95.5	95.3	95.4
GE 400	93.5	92.8	94.0	94.7	95.4	95.6	95.7	95.9	95.1	95.1
GE 200	91.0	93.2	94.4	95.3	96.1	96.2	96.6	96.7	96.7	96.9
GE 100	91.3	93.6	94.9	95.3	95.8	96.9	97.5	97.7	97.8	97.9
GE 50	91.3	93.6	95.0	95.0	97.1	97.3	97.3	98.1	98.3	98.5
GE 20	91.3	93.7	95.1	96.1	97.3	97.5	97.5	98.4	98.7	98.1
GE 10	91.4	93.7	95.1	95.2	97.4	97.7	98.5	98.8	99.0	99.2
GE 5	91.4	93.7	95.1	95.2	97.4	97.7	98.5	98.8	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS 7200

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE ARB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: APR HOURS: ALL

VISIBILITY IN STATUTE MILES										
1/2	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
58.7	58.8	58.7	58.9	58.7	58.9	58.9	58.9	58.7	58.9	58.9
59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
60.3	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFPTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH: 4

.....
CEILING

.....
VISIBILITY IN STATUTE MILES

FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1
NO CEIL	66.2	66.7	66.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 20000	63.6	64.5	65.3	65.0	65.9	65.9	65.9	65.9	65.9	65.9
GE 18000	64.5	65.1	65.7	65.3	65.3	65.3	65.3	65.3	65.3	65.5
GE 16000	64.5	65.1	65.7	66.3	66.3	66.3	66.3	66.3	66.3	66.5
GE 14000	64.3	65.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.3
GE 12000	66.9	66.9	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.4
GE 10000	71.2	71.5	71.4	72.0	72.0	72.0	72.0	72.0	72.0	72.2
GE 9000	71.5	71.2	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 8000	71.9	73.7	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.3
GE 7000	72.9	75.5	75.5	75.1	75.1	75.1	75.1	75.1	75.1	75.2
GE 6000	73.7	75.4	75.2	77.1	77.2	77.2	77.2	77.2	77.2	77.3
GE 5000	74.7	75.5	77.3	77.2	77.3	77.3	77.3	77.3	77.3	77.4
GE 4500	75.7	77.1	77.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	77.1	78.0	81.2	82.0	82.2	82.2	82.2	82.2	82.2	82.4
GE 3500	78.7	81.5	82.3	83.1	83.2	83.2	83.2	83.2	83.2	83.4
GE 3000	79.4	81.5	82.5	84.1	84.3	84.3	84.3	84.3	84.3	84.5
GE 2500	81.1	83.5	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.7
GE 2000	81.7	84.5	85.3	87.5	87.3	87.3	87.3	87.3	87.3	87.2
GE 1800	82.4	85.2	87.0	88.3	88.5	88.5	88.5	88.5	88.5	88.3
GE 1600	84.0	87.0	89.0	90.6	91.1	91.1	91.1	91.1	91.1	91.4
GE 1400	84.5	87.6	89.2	91.2	92.4	92.4	92.4	92.4	92.4	92.7
GE 1200	84.3	87.7	90.1	92.4	93.2	93.2	93.2	93.2	93.2	93.5
GE 1000	84.5	87.8	90.4	92.5	93.5	93.5	93.5	93.5	93.5	94.1
GE 900	84.9	88.3	90.9	93.2	94.3	94.3	94.3	94.4	94.4	94.7
GE 800	85.3	88.5	91.2	93.5	94.3	94.3	94.9	94.9	94.9	95.3
GE 700	85.5	88.4	91.4	94.0	95.3	95.3	95.4	95.4	95.4	95.7
GE 600	85.7	89.5	92.2	94.9	95.6	95.6	95.7	95.7	95.7	97.0
GE 500	85.8	89.6	92.5	95.4	97.3	97.3	97.7	97.7	97.7	98.1
GE 400	85.8	89.6	92.3	95.6	98.0	98.0	98.4	98.4	98.5	98.1
GE 300	85.7	89.3	92.3	95.5	98.0	98.0	98.4	98.4	98.5	98.3
GE 200	85.8	89.3	92.5	95.5	98.0	98.0	98.4	98.4	98.5	98.2
GE 100	85.8	89.3	92.5	95.5	98.0	98.0	98.4	98.4	98.5	98.2
GE 50	85.8	89.3	92.3	95.5	98.0	98.0	98.4	98.4	98.5	98.2

.....
TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY HOURS: 00-02

HEIGHT IN STATUTE MILES

2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
55.4	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
56.7	56.7	56.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3
57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
72.7	72.7	72.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3
75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
83.2	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
85.3	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7
87.3	87.3	87.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2
88.5	88.5	88.5	88.3	88.3	88.3	88.3	88.3	88.3	88.3
91.1	91.1	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7
93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
93.3	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1
94.4	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
94.9	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
95.4	95.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7
96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
97.7	97.7	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.4	98.4	98.5	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.4	98.4	98.5	98.3	98.9	98.9	99.0	99.0	99.0	99.0
98.4	98.4	98.5	98.3	99.0	99.1	99.4	99.4	99.4	99.5
99.4	99.4	99.6	98.3	99.0	99.1	99.4	99.4	99.4	100.0

OPERATING LOCATION: WAM
USAFHAF, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM MONTHLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

STATION
WEIGHT:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5
NO CEIL	60.0	60.3	61.0	61.3	61.9	61.9	62.0	62.2	62.2	62.5
67 20000	60.2	60.3	60.5	60.2	60.4	60.4	60.5	60.6	60.6	60.7
67 18000	62.3	62.0	62.5	62.3	61.9	61.9	61.1	61.1	61.2	61.2
71 16000	62.3	62.0	61.3	60.7	61.2	61.9	61.1	61.1	61.2	61.2
67 14000	67.4	67.1	67.3	67.2	61.2	61.2	61.3	61.3	61.4	61.4
67 12000	60.4	60.1	61.0	61.4	62.3	62.3	62.4	62.4	62.5	62.5
67 10000	61.7	63.7	64.7	65.4	65.3	65.3	65.2	65.5	65.5	65.5
67 8000	62.3	62.3	62.2	66.6	66.6	66.6	67.0	67.0	67.1	67.1
67 6000	65.0	67.3	68.4	69.5	70.0	70.0	70.1	70.1	70.2	70.2
67 7000	68.7	68.8	70.9	71.1	71.5	71.5	71.5	71.5	71.7	71.7
67 6000	67.2	68.4	71.4	71.7	72.5	72.4	72.5	72.5	72.5	72.5
67 5000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 4000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 3000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 2000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 1000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 500	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 200	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 100	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 50	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 20	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 10	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 5	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 1	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
67 0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0

TOTAL NUMBER OF OBSERVATIONS 930

PERIOD OF RECORD: MAR 79 - FEB 89	
MONTH: MAY HOURS: 03-05	
ABILITY IN STATUTE MILES	
GE 1/2	GE 1 1/2
GE 1	GE 3/4
GE 5/8	GE 1/2
GE 3/8	GE 1/4
GE 0	
52.0	52.0
52.1	52.1
52.2	52.2
52.3	52.3
52.4	52.4
52.5	52.5
52.6	52.6
52.7	52.7
52.8	52.8
52.9	52.9
53.0	53.0
53.1	53.1
53.2	53.2
53.3	53.3
53.4	53.4
53.5	53.5
53.6	53.6
53.7	53.7
53.8	53.8
53.9	53.9
54.0	54.0
54.1	54.1
54.2	54.2
54.3	54.3
54.4	54.4
54.5	54.5
54.6	54.6
54.7	54.7
54.8	54.8
54.9	54.9
55.0	55.0
55.1	55.1
55.2	55.2
55.3	55.3
55.4	55.4
55.5	55.5
55.6	55.6
55.7	55.7
55.8	55.8
55.9	55.9
56.0	56.0
56.1	56.1
56.2	56.2
56.3	56.3
56.4	56.4
56.5	56.5
56.6	56.6
56.7	56.7
56.8	56.8
56.9	56.9
57.0	57.0
57.1	57.1
57.2	57.2
57.3	57.3
57.4	57.4
57.5	57.5
57.6	57.6
57.7	57.7
57.8	57.8
57.9	57.9
58.0	58.0
58.1	58.1
58.2	58.2
58.3	58.3
58.4	58.4
58.5	58.5
58.6	58.6
58.7	58.7
58.8	58.8
58.9	58.9
59.0	59.0
59.1	59.1
59.2	59.2
59.3	59.3
59.4	59.4
59.5	59.5
59.6	59.6
59.7	59.7
59.8	59.8
59.9	59.9
60.0	60.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF FILE
- CONTAINING OBSERVATIONS

10-21-78

11-1-78

VISIBILITY IN STAIRWELL FILES

	1	2	3	4	5	6	7	8	9	10
FEET	7	8	9	4	3	2 1/2	2	1 1/2	1 1/4	1
NO. TIME	42.3	46.3	49.3	48.3	49.3	47.1	47.1	47.1	47.1	47.1
51 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
52 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
53 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
54 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
55 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
56 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
57 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
58 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
59 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
60 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
61 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
62 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
63 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
64 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
65 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
66 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
67 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
68 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
69 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
70 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
71 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
72 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
73 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
74 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
75 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
76 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
77 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
78 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
79 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
80 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
81 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
82 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
83 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
84 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3
85 10000	44.3	47.3	52.7	53.3	54.3	54.3	54.3	54.3	54.3	54.3

TOTAL NO. OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 06-08

CEILING IN STATUTE MILES

CEILING	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.3
48.3	54.4	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5
49.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5
50.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.5
51.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.6
52.5	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.4
53.6	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6
54.7	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6
55.8	63.2	63.3	63.2	63.3	63.2	63.2	63.2	63.2	63.2	64.0
56.9	65.1	65.1	65.1	65.1	65.2	65.2	65.2	66.2	66.2	66.3
57.0	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.5
58.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.3
59.2	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.2
60.3	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.3
61.4	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3
62.5	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.3
63.6	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.3
64.7	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4
65.8	80.5	80.6	80.5	80.6	80.5	80.5	80.5	80.5	80.5	80.7
66.9	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.3
67.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	86.2
68.1	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.3
69.2	89.7	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.0
70.3	91.7	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	92.0
71.4	93.5	93.6	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.1
72.5	94.7	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.1
73.6	95.1	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.6
74.7	97.3	97.5	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.2
75.8	98.0	98.3	98.4	98.8	98.7	99.0	99.0	99.0	99.0	99.1
76.9	98.0	98.3	98.4	99.0	99.1	99.2	99.2	99.4	99.6	99.7
77.0	98.0	98.3	98.4	99.0	99.1	99.2	99.2	99.4	99.6	99.8
78.1	99.0	99.3	99.4	99.0	99.1	99.2	99.2	99.4	99.6	100.0

OPERATING LOCATION "A"
USAFSTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

PERIOD:
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 5	GE 3	GE 2	GE 1 1/2	GE 1	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4
NO CEIL	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 20000	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 10000	55.1	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	55.2	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	55.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	61.7	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 10000	61.7	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 10000	67.3	68.2	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7
GE 7000	67.7	67.9	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8
GE 6000	67.1	68.0	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5
GE 5000	68.2	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5
GE 4500	68.6	69.7	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2
GE 4000	70.4	71.2	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6
GE 3500	71.0	72.5	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.2
GE 3000	73.5	75.3	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0
GE 2500	74.1	75.0	75.5	75.6	75.7	75.8	75.8	75.8	75.8	75.8
GE 2000	79.3	82.4	83.1	83.2	83.4	83.5	83.5	83.5	83.5	83.5
GE 1700	81.3	83.3	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.5
GE 1500	82.9	85.1	85.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3
GE 1200	85.6	88.9	89.5	90.1	90.6	90.8	90.8	90.8	90.8	90.8
GE 1000	87.7	91.0	92.0	92.4	92.9	93.1	93.1	93.1	93.1	93.1
GE 900	88.8	91.6	92.7	93.5	94.2	94.4	94.4	94.4	94.4	94.4
GE 800	89.4	92.5	93.9	94.7	95.5	95.8	95.8	95.8	95.8	95.8
GE 700	89.5	92.7	94.2	95.5	95.5	96.7	97.1	97.1	97.2	97.2
GE 600	89.8	92.3	94.6	95.7	96.9	97.2	97.6	97.6	97.7	97.7
GE 500	89.9	93.1	94.3	95.2	97.3	97.6	98.5	98.5	98.5	98.5
GE 400	90.7	93.2	95.1	96.3	98.1	98.5	99.5	99.5	99.5	99.5
GE 300	90.8	93.2	95.1	96.3	98.1	98.5	99.5	99.5	99.6	100.0
GE 200	90.9	93.2	95.1	96.3	98.1	98.5	99.6	99.6	99.6	100.0
GE 100	90.9	93.2	95.1	96.3	98.1	98.5	99.6	99.6	99.6	100.0
GE 000	90.9	93.2	95.1	96.3	98.1	98.5	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

4480 JK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 09-11

..... VISIBILITY IN STATUTE MILES

1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
47.5	47.5	47.5	47.6	47.5	47.5	47.5	47.6	47.5	47.5	47.6
55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
99.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.5	99.5	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.6	99.6	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: 1A

CEILING IN FEET	VISIBILITY IN STATUTE MILES										
	GE 7	GE 5	GE 3	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 1/2
NO CEIL	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 20000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 12000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 10000	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 9000	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 7000	66.6	66.7	66.6	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 6000	67.3	67.5	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 5000	68.7	68.4	68.5	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4500	68.7	68.7	69.0	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	73.8	74.0	74.4	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3500	76.2	76.5	76.7	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3000	81.0	81.3	81.9	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	84.4	84.9	85.7	86.1	86.6	86.7	86.7	86.7	86.7	86.7	86.7
GE 2000	88.0	88.5	89.7	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	88.9	89.8	90.5	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7
GE 1600	90.4	91.4	92.5	93.0	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1400	92.5	93.4	94.0	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 1200	93.4	94.5	95.0	95.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	93.4	94.5	95.0	95.6	97.1	97.5	97.5	97.5	97.5	97.5	97.5
GE 900	93.7	94.7	96.2	96.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8
GE 800	93.7	94.7	96.5	97.0	97.8	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	93.9	94.9	96.3	97.4	98.5	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	94.0	95.1	97.1	97.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7
GE 500	94.0	95.1	97.1	97.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7
GE 400	94.0	95.1	97.1	97.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7
GE 300	94.0	95.1	97.1	97.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7
GE 200	94.0	95.1	97.1	97.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7
GE 100	94.0	95.1	97.1	97.6	98.7	99.2	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AKR JK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 12-14

.....										
VISIBILITY IN STATUTE MILES										
CE	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
.....										
48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
97.6	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.....										

OPERATING LOCATION "A"
USAFETAC, ASHTVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: LINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	50.6	50.8	50.8	50.7	50.6	50.7	50.8	50.8	50.7	50.7
GE 20000	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 16000	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 14000	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 12000	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 10000	67.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 9000	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 8000	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 7000	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	72.5	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 5000	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4000	82.4	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3500	84.6	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3000	88.6	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	90.1	90.7	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2000	92.6	93.2	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	92.8	93.7	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1500	93.7	94.6	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1200	94.0	94.9	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1000	94.6	95.6	96.3	96.5	96.8	96.8	97.1	97.1	97.1	97.1
GE 900	95.2	95.1	95.9	97.1	97.3	97.3	97.6	97.6	97.6	97.6
GE 800	95.6	95.9	97.4	97.5	98.0	98.0	98.3	98.3	98.3	98.3
GE 700	95.9	96.9	97.7	98.0	98.4	98.4	98.7	98.7	98.7	98.7
GE 600	95.9	97.0	97.8	98.2	98.6	98.7	99.0	99.0	99.0	99.0
GE 500	96.1	97.2	98.1	98.5	98.9	99.1	99.7	99.7	99.7	99.7
GE 400	96.1	97.2	98.1	98.5	98.9	99.1	99.7	99.7	99.7	99.7
GE 300	96.1	97.2	98.1	98.5	98.9	99.1	99.7	99.7	99.7	99.7
GE 200	96.1	97.2	98.1	98.5	98.9	99.1	99.7	99.7	99.7	99.7
GE 100	96.1	97.2	98.1	98.5	98.9	99.1	99.7	99.7	99.7	99.7
GE 000	96.1	97.2	98.1	98.5	98.9	99.1	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WINKER AFB TX
+ 6

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 15-17

VISIBILITY IN STATUTE MILES

5	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
50.1	50.2	50.2	50.3	50.3	50.3	50.5	50.3	50.8	50.5	50.3	50.8
52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
52.6	52.5	52.5	52.6	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6
52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
95.8	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1
96.8	96.8	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
97.3	97.3	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
98.0	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
98.4	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
98.6	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
99.3	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
99.9	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9
99.9	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0
99.9	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0
99.9	99.1	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723740

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: 44

.....											
CEILING						VISIBILITY IN STATUTE MILES					
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
FEET	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	
.....											
NO CEIL	53.7	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	
GE 20000	65.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	
GE 18000	65.9	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
GE 16000	67.4	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	
GE 14000	68.5	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	
GE 12000	70.1	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
GE 10000	75.1	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE 9000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
GE 8000	77.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	
GE 7000	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	
GE 6000	79.4	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	
GE 5000	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	
GE 4500	81.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	
GE 4000	85.3	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	
GE 3500	86.2	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	
GE 3000	88.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	
GE 2500	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	
GE 2000	91.1	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	
GE 1800	91.1	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	
GE 1600	91.7	94.2	94.4	94.5	94.5	94.5	94.7	94.7	94.7	94.7	
GE 1400	92.3	95.1	95.4	95.5	95.5	95.5	95.7	95.7	95.7	95.7	
GE 1200	93.1	95.9	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4	
GE 1000	93.1	96.0	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	
GE 900	93.4	95.1	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4	
GE 800	93.5	95.2	96.5	96.9	97.5	97.5	97.7	97.7	97.7	97.7	
GE 700	93.7	95.5	97.2	97.4	98.4	98.4	98.6	98.6	98.6	98.6	
GE 600	94.2	95.8	97.3	98.0	99.0	99.0	99.4	99.4	99.4	99.4	
GE 500	94.2	95.9	97.4	98.1	99.1	99.2	99.5	99.5	99.5	99.5	
GE 400	94.2	95.9	97.4	98.1	99.1	99.2	99.5	99.5	99.5	99.5	
GE 300	94.3	96.0	97.5	98.2	99.2	99.4	99.7	99.7	99.7	99.7	
GE 200	94.3	96.0	97.5	98.2	99.2	99.4	99.7	99.7	99.7	99.7	
GE 100	94.3	96.0	97.5	98.2	99.2	99.4	99.7	99.7	99.7	99.7	
GE 000	94.3	96.0	97.5	98.2	99.2	99.4	99.7	99.7	99.7	99.7	
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TOTAL NUMBER OF OBSERVATIONS 930

14- AF3 3X

MONTH: MAY HOURS: 13-20

7 - 2 - 43

OPERATING LOCATION "A"
 ISAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 FROM HOURLY OBSERVATION

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

2-81
 MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	59.0	59.7	59.5	59.5	59.5	59.2	59.3	59.5	59.2	59.
GE 20000	66.3	67.4	67.3	67.3	67.3	67.3	67.3	67.2	67.2	67.
GE 18000	67.6	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.
GE 16000	67.7	68.4	68.3	68.5	68.8	68.3	68.3	68.7	68.3	68.
GE 14000	67.3	68.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.
GE 12000	68.3	69.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.
GE 10000	73.2	74.7	74.2	75.1	75.1	75.1	75.1	75.1	75.1	75.
GE 9000	75.8	74.7	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.
GE 8000	75.3	77.3	73.1	74.2	75.2	75.2	75.2	75.2	75.2	75.
GE 7000	77.5	78.0	74.7	75.5	74.2	73.2	74.5	75.3	77.2	77.
GE 6000	77.2	78.2	78.9	74.0	73.0	73.0	73.0	73.0	73.0	73.
GE 5000	78.2	74.1	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.
GE 4500	79.3	81.0	81.3	81.9	81.9	81.9	81.9	82.0	82.0	82.
GE 4000	80.0	84.1	85.2	85.4	85.4	85.4	85.4	85.5	85.5	85.
GE 3500	84.3	85.4	85.8	86.7	86.7	86.7	86.7	86.8	86.8	86.
GE 3000	85.3	85.5	87.7	88.0	88.2	88.2	88.2	88.4	88.4	88.
GE 2500	88.3	87.7	89.0	89.2	89.5	89.5	89.5	89.7	89.7	89.
GE 2000	88.4	89.0	91.4	91.5	91.5	91.3	91.5	92.0	92.0	92.
GE 1800	88.7	89.2	91.7	91.9	92.2	92.2	92.2	92.4	92.4	92.
GE 1600	89.5	91.2	92.2	93.1	93.3	93.3	93.3	93.5	93.5	93.
GE 1200	90.2	92.0	94.1	94.6	94.8	94.8	94.8	95.1	95.1	95.
GE 1000	90.2	92.7	94.4	95.1	95.4	95.4	95.4	95.5	95.5	95.
GE 900	90.3	92.3	94.5	95.2	95.5	95.5	95.5	95.8	95.8	95.
GE 800	90.5	92.5	94.8	95.5	95.8	95.8	95.8	96.2	96.2	96.
GE 700	90.3	92.7	95.1	95.7	95.5	95.3	95.3	95.5	95.5	95.
GE 600	90.0	92.5	95.5	96.1	97.0	97.0	97.0	97.2	97.2	97.
GE 500	91.2	93.1	95.3	96.5	97.5	97.5	97.7	98.0	98.0	98.
GE 400	91.3	93.2	95.2	96.7	93.1	95.3	93.4	93.5	93.5	93.
GE 300	91.3	93.2	96.0	96.3	93.3	93.5	93.7	94.0	94.0	94.
GE 200	91.3	93.2	96.0	96.2	93.3	93.5	93.9	94.2	94.2	94.
GE 100	91.3	93.2	96.0	96.3	93.3	93.5	93.9	94.2	94.2	94.
GE 000	91.3	93.2	96.0	96.3	93.3	93.5	93.9	94.2	94.2	94.

TOTAL NUMBER OF OBSERVATIONS 930

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: 21-23

VISIBILITY IN STATUTE MILES

GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
91.8	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
92.2	92.2	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
93.7	93.7	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
94.8	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
95.4	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
97.6	97.7	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
98.3	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
98.5	98.7	98.9	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2
98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.8
98.5	98.9	99.2	99.2	99.5	99.5	99.5	99.8	99.8	99.8	99.9
98.5	98.7	99.2	99.2	99.5	99.5	99.5	99.8	99.8	99.8	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB, OK
ELEVATION: 45

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY HOURS: ALL

VISIBILITY IN STATUTE MILES												
3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4		
52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4
51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.7
51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8
52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
71.0	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
73.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5
75.5	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
79.4	79.5	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
80.7	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
83.2	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
85.4	85.5	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8
88.0	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
89.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
90.2	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
92.2	92.4	92.5	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
93.5	93.7	93.3	93.3	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
94.1	94.3	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
95.0	95.3	95.5	95.5	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
96.7	96.0	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.5	96.5	96.5	96.5
96.3	96.5	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
97.5	97.3	97.5	97.9	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
97.5	98.0	98.5	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
97.7	98.2	98.3	98.7	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4
97.7	98.2	98.9	99.0	99.1	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6
97.7	98.2	98.7	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.7	99.8
97.7	98.2	98.7	99.0	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.7	100.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF DE
FROM 1961-1965

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FINAL REPORT OF FIELD OBSERVATIONS 909

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN HOURS: 00-02

[illegible]

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM GROUND OBSERVATIONS

STATION NUMBER: 703840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD: J
MONTH: J

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	5+	4+	3+	2+	1+	1/2	1/2	1/2	1/4	1/4
NO CEIL	56.4	56.2	56.3	52.1	52.3	52.3	52.3	52.3	52.3	52.4
50 20000	56.2	57.3	58.2	59.5	59.7	59.7	59.9	59.9	59.9	70.2
50 15000	56.3	57.4	57.3	59.7	70.0	70.0	70.0	70.0	70.0	70.1
50 10000	56.2	57.4	57.3	59.7	70.0	70.0	70.0	70.0	70.0	70.1
50 14000	57.1	57.7	59.1	70.4	70.8	70.8	70.8	70.8	70.8	70.9
50 12000	57.1	57.7	59.0	70.3	71.2	71.2	71.2	71.2	71.2	71.3
50 10000	72.3	73.5	74.9	75.3	75.7	75.7	75.7	75.7	75.7	75.7
50 9000	72.3	73.5	75.1	75.5	75.9	75.9	75.9	75.9	75.9	77.0
50 8000	74.7	75.2	77.2	73.7	73.1	73.1	73.1	73.1	73.1	73.1
50 7000	75.2	77.1	76.4	80.0	80.4	80.4	80.4	80.4	80.4	80.6
50 6000	75.2	77.4	78.0	80.3	80.8	80.8	80.8	80.8	80.8	80.9
50 5000	77.4	79.7	79.9	81.5	82.0	82.0	82.0	82.0	82.0	82.1
50 4500	79.4	79.4	81.1	82.0	83.2	83.2	83.2	83.2	83.2	83.3
50 4000	81.4	83.3	84.9	85.5	87.0	87.0	87.1	87.1	87.1	87.3
50 3500	82.2	84.7	85.4	83.7	84.7	84.7	84.7	84.7	84.7	84.9
50 3000	82.7	85.1	87.1	89.0	89.5	89.6	89.7	89.7	89.7	89.8
50 2500	83.1	86.8	87.8	89.7	90.2	90.2	90.3	90.3	90.3	90.4
50 2000	84.2	86.9	90.0	91.0	91.5	91.5	91.7	91.7	91.7	91.7
50 1800	84.2	87.2	89.4	91.4	92.0	92.0	92.1	92.1	92.1	92.2
50 1600	84.2	87.5	89.7	91.3	92.4	92.4	92.5	92.5	92.5	92.7
50 1400	85.5	89.1	91.2	93.3	94.0	94.0	94.1	94.1	94.1	94.2
50 1200	86.5	89.2	91.3	93.5	94.2	94.2	94.3	94.4	94.4	94.5
50 1000	86.6	89.4	91.5	93.5	94.4	94.4	94.5	94.7	94.7	94.8
50 900	86.6	89.4	91.7	93.9	94.5	94.7	94.7	94.7	94.7	95.0
50 800	86.7	89.7	91.9	94.1	94.9	95.0	95.1	95.2	95.2	95.3
50 700	86.5	89.9	92.2	94.5	95.4	95.5	95.7	95.8	95.8	95.9
50 600	86.2	89.5	93.1	95.0	97.0	97.3	97.4	97.5	97.5	97.7
50 500	86.2	89.7	93.2	95.1	97.2	97.5	97.7	97.9	97.9	98.1
50 400	86.2	89.7	93.2	95.2	97.4	97.4	97.9	98.4	98.4	98.5
50 300	86.7	89.7	93.2	95.2	97.4	97.3	98.0	98.5	98.7	98.1
50 200	86.9	89.7	93.2	96.2	97.5	97.9	98.1	98.7	98.8	99.2
50 100	86.9	89.7	93.2	96.2	97.5	97.9	98.1	98.7	98.8	99.2

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

MINSEA AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 03-05

.....											
VISIBILITY IN STATUTE MILES											
CE P 1/2	CE 2	CE 1 1/2	CE 1 1/4	CE 1	CE 3/4	CE 5/8	CE 1/2	CE 3/8	CE 1/4	CE 0	
.....											
60	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
61	69.2	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
62	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
63	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
64	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
65	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
66	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
67	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
68	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
69	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
70	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
71	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
72	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
73	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
74	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
75	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
76	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
77	91.5	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
78	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
79	92.4	92.5	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
80	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
81	94.2	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
82	94.4	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
83	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
84	95.0	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
85	95.5	95.7	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
86	97.3	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
87	97.6	97.7	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
88	97.8	97.9	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
89	97.8	98.0	98.6	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
90	97.9	98.1	98.7	98.8	99.2	99.3	99.3	99.6	99.6	99.8	99.8
91	97.9	98.1	98.7	98.8	99.2	99.4	99.4	99.7	99.7	99.9	100.0
.....											

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723340

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD: J
MONTH: J

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	62.3	64.0	65.0	65.7	65.9	66.0	66.0	66.0	66.0	66.0
37 20000	61.1	62.2	63.2	64.0	64.3	64.4	64.5	64.6	64.6	64.6
67 18000	61.4	62.5	63.5	64.3	64.7	64.8	64.9	64.9	64.9	64.9
97 16000	61.6	62.7	63.7	64.4	64.8	64.9	65.0	65.0	65.0	65.0
127 14000	61.9	63.0	64.0	64.3	65.1	65.2	65.3	65.3	65.3	65.3
157 12000	63.6	64.7	65.7	66.4	67.0	67.1	67.2	67.2	67.2	67.2
187 10000	70.0	71.5	72.3	73.5	74.2	74.3	74.4	74.4	74.4	74.4
217 8000	70.7	72.2	73.4	74.2	74.9	75.0	75.1	75.1	75.1	75.1
247 6000	73.6	75.2	76.4	77.2	77.9	78.0	78.1	78.1	78.1	78.1
277 4000	75.0	76.3	78.1	78.8	79.4	79.9	79.9	79.9	79.9	79.9
307 2000	76.0	77.2	77.1	79.0	80.6	80.9	81.0	81.0	81.0	81.0
337 500	77.2	78.1	80.3	81.2	81.9	82.2	82.3	82.3	82.3	82.3
367 400	77.3	78.9	81.1	82.0	82.7	83.3	83.1	83.1	83.1	83.1
397 3000	81.1	83.1	84.4	85.5	86.2	86.5	86.7	86.7	86.7	86.7
427 3500	81.3	83.5	85.1	85.3	87.0	87.3	87.4	87.4	87.4	87.4
457 3000	82.1	84.2	85.7	87.0	87.8	88.1	88.2	88.2	88.2	88.2
487 2500	82.7	86.4	86.2	87.7	89.4	89.3	89.9	89.9	89.9	89.9
517 2000	83.4	86.7	87.1	88.7	89.4	89.3	89.9	89.9	89.9	89.9
547 1800	83.9	88.1	87.5	89.1	89.9	90.2	90.3	90.3	90.3	90.3
577 1500	84.6	87.1	88.5	90.1	90.9	91.2	91.3	91.3	91.3	91.3
607 1200	85.0	88.2	89.3	91.4	92.2	92.6	92.7	92.7	92.7	92.7
637 1000	86.4	88.9	90.4	92.1	92.9	93.3	93.4	93.4	93.4	93.4
667 700	86.0	89.2	90.2	92.4	93.3	93.3	93.9	93.9	93.9	93.9
697 500	87.2	89.7	91.4	93.1	94.2	94.7	94.3	94.3	94.3	94.3
727 700	87.4	89.9	91.7	93.3	94.6	95.0	95.3	95.4	95.4	95.4
757 500	87.3	90.3	92.1	93.3	95.2	95.2	95.1	95.2	95.2	95.2
787 500	88.2	90.5	92.4	94.3	95.9	96.4	96.3	97.2	97.2	97.2
817 400	88.0	90.5	92.4	94.3	95.0	96.7	97.1	97.6	97.6	97.6
847 300	88.0	90.5	92.4	94.4	95.3	97.0	97.5	98.0	98.0	98.0
877 200	89.0	90.5	92.4	94.4	95.3	97.0	97.7	98.2	98.2	98.2
907 100	89.0	90.5	92.4	94.4	95.3	97.0	97.7	98.2	98.2	98.2
937 000	89.0	90.5	92.4	94.4	95.3	97.0	97.7	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS 900

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 06-08

VISIBILITY IN STATUTE MILES

GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.2
64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.8
64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.1
64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.2
65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.6
67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.4
74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.7	74.8
75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.4
78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.3	78.4
79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.2
80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.2	81.3
82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.6	82.7
83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.3	83.4
86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.9	87.0
87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.7	87.8
88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.6
88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.2
89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.1	90.2
90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.6	90.7
91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6	91.7
92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	93.0
93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.7	93.8
93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	94.1	94.2
94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.0	95.1
95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.7	95.8
95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.6
96.4	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.6
96.7	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.9
97.0	97.6	98.0	98.0	98.6	98.7	98.7	98.7	98.7	98.9	99.0
97.0	97.7	98.2	98.2	99.0	99.1	99.1	99.1	99.1	99.3	99.6
97.0	97.7	98.2	98.2	99.0	99.1	99.1	99.2	99.2	99.8	100.0
97.0	97.7	98.2	98.2	99.0	99.1	99.1	99.2	99.2	99.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERI
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 5	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	57.0	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 20000	56.3	56.6	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 18000	57.0	57.4	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 16000	57.2	57.7	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 14000	57.6	58.0	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 12000	59.4	70.0	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	73.3	74.3	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 8000	74.0	74.6	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 6000	77.0	78.4	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5
GE 7000	79.5	80.1	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2
GE 5000	80.2	80.8	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 6000	81.6	82.2	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3
GE 4500	81.0	82.6	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7
GE 4000	84.0	85.4	86.2	86.7	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500	85.4	86.1	86.9	87.3	87.4	87.4	87.4	87.4	87.4	87.4
GE 3000	87.1	87.8	88.6	89.0	89.1	89.1	89.2	89.2	89.2	89.2
GE 2500	88.3	89.1	89.9	90.3	90.4	90.4	90.5	90.5	90.5	90.5
GE 2000	90.4	90.8	91.1	91.6	91.7	91.8	91.9	91.9	91.9	91.9
GE 1800	90.1	91.0	91.8	92.2	92.3	92.4	92.5	92.5	92.5	92.5
GE 1500	91.0	92.8	93.7	94.3	94.4	94.6	94.7	94.7	94.7	94.7
GE 1200	93.6	94.8	95.7	96.3	96.4	96.5	96.8	96.8	96.8	96.8
GE 1000	94.2	95.6	96.7	97.4	97.6	97.7	97.9	97.9	97.9	97.9
GE 900	94.4	95.8	96.9	97.7	97.8	97.9	98.1	98.1	98.1	98.1
GE 800	94.6	95.1	97.3	98.1	98.2	98.3	98.5	98.5	98.5	98.5
GE 700	94.7	96.2	97.4	98.2	98.4	98.6	98.9	98.9	98.9	98.9
GE 600	94.9	96.4	97.7	98.4	98.7	98.8	99.1	99.1	99.1	99.1
GE 500	95.0	96.6	97.8	98.7	99.0	99.1	99.4	99.4	99.4	99.4
GE 400	95.0	96.6	97.8	98.7	99.0	99.2	99.6	99.6	99.6	99.6
GE 300	95.1	96.7	97.9	98.8	99.2	99.4	99.8	99.8	99.8	99.8
GE 200	95.1	96.7	97.9	98.8	99.2	99.4	99.8	99.8	99.8	100.0
GE 100	95.1	96.7	97.9	98.8	99.2	99.4	99.8	99.8	99.8	100.0
GE 000	95.1	96.7	97.9	98.8	99.2	99.4	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: JUN HOURS: 09-11

VISIBILITY IN STATUTE MILES											
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
7	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
4	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
4	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
4	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USARFAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
TO CEIL	55.0	55.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 20000	57.7	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 18000	57.1	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000	57.2	57.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 14000	57.5	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 12000	70.5	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 10000	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	77.1	77.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 4000	73.2	73.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	71.5	71.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 1000	78.4	78.4	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 800	78.5	78.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 600	84.5	85.7	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 400	87.7	88.1	89.4	89.5	89.7	89.7	89.7	89.7	89.7	89.7
GE 300	91.1	92.2	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 250	93.1	94.2	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5
GE 200	94.1	95.2	95.2	95.4	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	94.2	95.4	96.4	96.7	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500	94.4	95.1	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	95.1	95.4	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	95.1	95.4	97.2	98.0	98.3	98.3	98.4	98.4	98.4	98.4
GE 800	95.1	95.4	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.4
GE 600	95.1	95.4	97.2	98.1	98.4	98.4	98.5	98.7	98.7	98.7
GE 400	95.3	95.7	98.2	98.5	98.9	98.9	99.0	99.1	99.1	99.1
GE 300	95.3	95.7	98.2	98.7	99.0	99.0	99.1	99.2	99.2	99.2
GE 200	95.3	95.7	98.3	98.3	99.1	99.2	99.3	99.7	99.7	99.7
GE 100	95.3	95.7	98.3	98.3	99.1	99.3	99.7	100.0	100.0	100.0
GE 500	95.3	95.7	98.3	98.3	99.1	99.3	99.7	100.0	100.0	100.0
GE 200	95.3	95.7	98.3	98.3	99.1	99.3	99.7	100.0	100.0	100.0
GE 100	95.3	95.7	98.3	98.3	99.1	99.3	99.7	100.0	100.0	100.0
GE 500	95.3	95.7	98.3	98.3	99.1	99.3	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WILMER AFB TX

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 12-14

VISIBILITY IN STATUTE MILES											
GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0	
55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	
57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	
58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	
58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	
58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	
71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	
79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	
79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	
80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	
81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	
85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	
89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	
93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	
95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	
99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 5	GE 3	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 20000	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 18000	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 16000	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 14000	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 12000	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 9000	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 8000	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4
GE 7000	84.8	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
GE 6000	85.0	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5
GE 5000	86.2	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
GE 4500	86.9	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
GE 4000	91.4	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2
GE 3500	93.2	93.7	93.7	93.7	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	95.0	95.6	95.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	96.7	96.6	96.6	97.0	97.2	97.2	97.3	97.3	97.3	97.3
GE 2000	96.2	97.1	97.3	97.5	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	96.3	97.2	97.4	97.7	97.9	97.9	98.0	98.0	98.0	98.0
GE 1600	96.4	97.3	97.5	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 1200	96.3	97.7	97.9	98.1	98.3	98.3	98.4	98.4	98.4	98.4
GE 1000	96.4	97.7	97.9	98.1	98.3	98.3	98.6	98.6	98.6	98.6
GE 900	96.4	97.7	97.9	98.1	98.3	98.3	98.6	98.6	98.6	98.6
GE 800	96.9	97.8	98.0	98.2	98.4	98.4	98.7	98.7	98.7	98.7
GE 700	97.0	97.9	98.1	98.3	98.6	98.6	98.9	98.9	98.9	98.9
GE 600	97.0	97.9	98.1	98.3	98.6	98.6	98.9	98.9	98.9	98.9
GE 500	97.0	97.9	98.2	98.4	98.7	98.8	99.1	99.4	99.4	99.4
GE 400	97.0	97.9	98.3	98.6	98.8	99.0	99.3	99.7	99.7	99.7
GE 300	97.0	97.9	98.3	98.6	98.8	99.0	99.3	99.7	99.7	99.7
GE 200	97.0	97.9	98.3	98.6	98.8	99.0	99.3	99.7	99.7	99.7
GE 100	97.0	97.9	98.3	98.6	98.8	99.0	99.3	99.7	99.7	99.7
GE 000	97.0	97.9	98.3	98.6	98.8	99.0	99.3	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WAFB AFB OK PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 15-17

VISIBILITY IN STATUTE MILES										
GE 1 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
99.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9
99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9
99.0	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0
99.0	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0
99.0	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.9	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723740

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 5	GE 3	GE 1	GE 0	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	63.0	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 20000	75.7	75.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 18000	75.7	75.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 16000	75.7	75.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 14000	75.1	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 12000	77.5	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 10000	82.3	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 9000	84.5	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 8000	84.5	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 7000	89.5	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 6000	89.4	89.2	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 5000	90.4	90.3	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 4500	91.4	91.2	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
GE 4000	94.3	94.3	95.4	95.4	95.4	95.4	95.7	95.7	95.7	95.7
GE 3500	94.3	94.4	95.1	95.1	95.1	95.1	95.3	95.3	95.3	95.3
GE 3000	95.2	95.3	95.4	95.5	95.7	95.7	95.9	95.9	95.9	95.9
GE 2500	95.4	95.9	95.7	95.1	95.9	96.9	97.1	97.1	97.1	97.1
GE 2000	95.5	95.1	95.3	97.2	97.1	97.1	97.3	97.3	97.3	97.3
GE 1800	95.5	95.1	95.3	97.9	97.1	97.1	97.3	97.3	97.3	97.3
GE 1500	95.5	95.1	95.8	97.1	97.2	97.2	97.4	97.4	97.4	97.4
GE 1200	95.5	97.1	97.3	99.1	99.2	99.2	99.4	99.4	99.4	99.4
GE 1000	95.7	97.2	97.9	99.2	99.3	99.3	99.5	99.5	99.5	99.5
GE 900	95.7	97.2	97.9	99.2	99.3	99.3	99.5	99.5	99.5	99.5
GE 800	97.0	97.5	98.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9
GE 700	97.1	97.7	98.3	99.7	99.8	99.8	99.1	99.1	99.1	99.1
GE 600	97.1	97.7	98.2	99.7	99.8	99.8	99.1	99.1	99.1	99.1
GE 500	97.1	97.7	98.3	99.7	99.8	99.8	99.1	99.1	99.1	99.1
GE 400	97.1	97.8	98.4	99.8	99.9	99.9	99.3	99.3	99.3	99.3
GE 300	97.1	97.8	98.4	99.8	99.9	99.9	99.5	99.5	99.5	99.5
GE 200	97.1	97.8	98.4	99.8	99.9	99.9	99.5	99.5	99.5	100.0
GE 100	97.1	97.8	98.4	99.8	99.9	99.9	99.5	99.5	99.5	100.0
GE 000	97.1	97.8	98.4	99.8	99.9	99.9	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 700

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

2000 APR 78

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: 18-20

VISIBILITY IN STATUTE MILES										
GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/5	GE 1/4	GE 0
63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
99.2	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
99.4	99.1	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.9	99.3	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.0	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
99.9	99.6	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.0	99.6	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
99.0	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION: "A"
 USARFAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 FROM ADJUTANT OBSERVATION

STATION NUMBER: 723340

STATION NAME: TINKER AFB, OK
 LST TO UTC: + 6

012
 000

OFFILING	VISIBILITY IN STATUTE MILES									
	IN FEET	1- 7	8- 15	16- 23	24- 31	32- 39	40- 47	48- 55	56- 63	64- 71
NO OFFIL		67.0	67.0	68.0	68.0	69.0	69.0	70.0	70.0	71.0
GE 20000		71.7	71.7	71.5	71.5	72.5	72.5	73.5	73.5	74.5
GE 13333		71.7	71.7	71.5	71.5	72.5	72.5	73.5	73.5	74.5
GE 14000		71.7	71.7	71.5	71.5	72.5	72.5	73.5	73.5	74.5
GE 14000		71.7	71.7	71.5	71.5	72.5	72.5	73.5	73.5	74.5
GE 12000		70.4	70.4	71.5	71.5	71.3	71.3	71.3	71.3	71.3
GE 10000		69.3	69.3	68.2	68.2	65.7	65.7	65.2	65.2	65.2
GE 9000		69.7	69.7	68.5	68.5	65.5	65.5	65.5	65.5	65.5
GE 8000		68.7	68.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000		67.2	67.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 6000		67.2	67.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 5000		67.1	67.1	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4000		69.2	69.2	69.3	69.3	69.4	69.4	69.4	69.4	69.4
GE 4000		69.3	69.3	69.1	69.1	69.3	69.3	69.3	69.3	69.3
GE 3500		69.1	69.1	69.4	69.4	69.3	69.3	69.3	69.3	69.3
GE 3000		69.1	69.3	69.4	69.4	69.3	69.3	69.3	69.3	69.3
GE 2000		69.6	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 2000		69.3	69.2	69.4	69.3	69.3	69.3	69.3	69.3	69.3
GE 1400		69.3	69.2	69.4	69.3	69.3	69.3	69.3	69.3	69.3
GE 1500		69.2	69.4	69.7	69.1	69.2	69.2	69.3	69.3	69.3
GE 1200		69.3	69.3	69.2	69.2	69.3	69.3	69.3	69.3	69.3
GE 1000		69.3	69.2	69.4	69.0	69.2	69.2	69.4	69.7	69.7
GE 900		69.3	69.2	69.4	69.1	69.3	69.3	69.3	69.3	69.3
GE 800		69.3	69.2	69.4	69.1	69.3	69.3	69.3	69.3	69.3
GE 700		69.2	69.4	69.7	69.3	69.3	69.3	69.3	69.3	69.3
GE 600		69.3	69.3	69.3	69.4	69.7	69.7	69.3	69.3	69.3
GE 500		69.3	69.3	69.3	69.4	69.7	69.7	69.3	69.3	69.3
GE 400		69.4	69.7	69.3	69.4	69.7	69.7	69.3	69.3	69.3
GE 300		69.4	69.7	69.3	69.4	69.7	69.7	69.3	69.3	69.3
GE 200		69.4	69.7	69.3	69.4	69.7	69.7	69.3	69.3	69.3
GE 100		69.4	69.7	69.3	69.4	69.7	69.7	69.3	69.3	69.3
GE 000		69.4	69.7	69.3	69.4	69.7	69.7	69.3	69.3	69.3

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAF TAC, ARNHEM, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
HURDLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB TX
LST TO UTC: + 5

PERIOD
MONTH:

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	6 7	65 6	65 5	65 4	65 3	65 2 1/2	65 2	65 1 1/2	65 1 1/4	65 1
NO CEIL	59.5	59.4	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3
65 20000	72.4	72.4	71.5	71.7	72.3	72.3	72.3	72.3	72.3	72.3
65 18000	72.7	71.2	71.5	72.1	72.2	72.2	72.2	72.2	72.2	72.2
65 16000	72.7	71.2	71.9	72.2	72.3	72.3	72.3	72.3	72.3	72.3
65 14000	71.2	71.6	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5
65 12000	72.5	73.2	73.3	74.1	74.2	74.3	74.3	74.3	74.3	74.3
65 10000	72.3	72.2	72.2	72.3	72.4	72.4	72.5	72.5	72.5	72.5
65 8000	72.7	72.7	73.4	73.5	73.3	73.3	73.3	73.3	73.3	73.3
65 6000	72.3	71.2	72.2	72.3	72.5	72.5	72.5	72.5	72.5	72.5
65 4000	71.5	72.2	73.2	73.4	73.5	73.5	73.7	73.7	73.7	73.7
65 2000	71.3	72.5	73.4	73.5	73.9	74.0	74.0	74.0	74.0	74.0
65 1000	72.3	73.5	74.5	74.7	75.1	75.1	75.2	75.2	75.2	75.2
65 800	72.3	73.5	74.3	74.3	75.0	75.0	75.0	75.0	75.0	75.0
65 600	72.3	73.4	74.3	74.3	75.0	75.1	75.1	75.1	75.1	75.1
65 400	71.9	72.5	72.7	71.1	71.3	71.3	71.4	71.4	71.4	71.4
65 300	72.5	72.7	71.1	72.4	72.7	72.7	72.7	72.7	72.7	72.7
65 200	71.5	71.3	72.3	73.1	73.1	73.1	74.0	74.0	74.0	74.0
65 100	71.1	72.4	73.5	74.3	74.5	74.5	74.5	74.5	74.5	74.5
65 1000	71.4	72.7	73.2	74.5	74.5	74.7	75.0	75.0	75.0	75.0
65 1500	71.2	73.2	74.4	75.2	75.5	75.5	75.7	75.7	75.7	75.7
65 1200	72.5	73.1	73.2	75.2	75.5	75.5	75.7	75.7	75.7	75.7
65 1000	73.0	74.4	75.5	75.5	76.0	76.0	77.0	77.1	77.1	77.1
65 800	73.1	74.5	75.7	75.5	75.9	77.0	77.2	77.2	77.2	77.2
65 600	73.2	74.5	75.9	76.9	77.2	77.3	77.5	77.6	77.6	77.6
65 400	73.4	74.1	75.2	77.1	77.5	77.5	77.7	77.7	77.7	77.7
65 300	73.3	75.0	75.3	77.3	77.4	77.4	77.9	78.1	78.2	78.2
65 200	73.5	75.1	75.5	77.7	78.2	78.3	78.5	78.5	78.5	78.5
65 100	73.5	75.2	75.7	77.2	78.3	78.5	78.8	78.8	78.8	78.8
65 500	73.4	75.2	75.7	77.4	78.4	78.7	79.1	79.3	79.3	79.3
65 100	73.5	75.2	75.7	77.8	78.4	78.7	79.1	79.4	79.4	79.7
65 500	73.5	75.2	75.7	77.3	78.4	78.7	79.1	79.4	79.4	79.7

TOTAL NUMBER OF OBSERVATIONS 7200

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: 04

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUN HOURS: ALL

CEILING IN STATUTE MILES

	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
11.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
11.4	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
11.5	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
11.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
11.7	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7
11.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
11.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
12.0	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
12.1	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
12.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
12.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1
12.4	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
12.5	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.1	86.1
12.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2
12.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
12.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
12.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
13.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
13.1	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
13.2	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.8
13.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.3	96.3
13.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2
13.5	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
13.6	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
13.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
13.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3
13.9	98.5	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
14.0	99.3	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
14.1	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6
14.2	99.1	99.3	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7
14.3	99.1	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	99.9
14.4	99.1	99.4	99.4	99.7	99.7	99.7	99.8	99.8	99.9	100.0

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

.....
CEILING

.....
VISIBILITY IN STATUTE MILES

IN FEET	65 7	60 6	55 5	50 4	45 3	40 2 1/2	35 2	30 1 1/2	25 1 1/4	20 1
NO CEIL	75.5	77.5	79.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
65 20000	82.2	84.6	85.5	86.7	86.7	86.7	86.8	86.8	86.8	86.8
65 18000	82.4	84.9	85.8	87.0	87.0	87.0	87.1	87.1	87.1	87.1
65 16000	82.4	84.9	85.6	87.0	87.0	87.0	87.1	87.1	87.1	87.1
65 14000	83.0	85.5	86.5	87.5	87.5	87.6	87.7	87.7	87.7	87.7
65 12000	84.2	86.7	87.5	88.8	88.8	88.9	88.9	88.9	88.9	88.9
65 10000	89.8	91.1	92.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4
65 9000	90.8	91.1	92.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4
65 8000	90.8	93.1	94.2	95.5	95.5	95.5	95.7	95.7	95.7	95.7
65 7000	90.8	93.3	94.4	95.7	95.7	95.8	95.9	95.9	95.9	95.9
65 6000	90.8	93.3	94.4	95.7	95.8	95.8	95.9	95.9	95.9	95.9
65 5000	91.8	93.8	94.5	95.0	95.0	95.0	95.1	95.1	95.1	95.1
65 4500	91.8	93.8	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2
65 4000	91.7	94.5	95.3	97.2	97.3	97.3	97.4	97.4	97.4	97.4
65 3500	91.5	94.5	95.7	97.3	97.4	97.4	97.5	97.5	97.5	97.5
65 3000	92.5	95.3	96.5	98.0	98.2	98.2	98.3	98.3	98.3	98.3
65 2500	92.5	95.4	96.5	98.0	98.2	98.2	98.3	98.3	98.3	98.3
65 2000	92.8	95.3	96.5	98.1	98.2	98.2	98.3	98.3	98.3	98.3
65 1800	92.8	95.3	96.5	98.0	98.2	98.2	98.3	98.3	98.3	98.3
65 1600	92.7	95.8	96.8	98.2	98.4	98.4	98.5	98.5	98.5	98.5
65 1400	93.0	96.3	97.1	98.5	98.7	98.7	98.8	98.8	98.8	98.8
65 1200	93.3	96.1	97.4	98.8	99.0	99.0	99.1	99.1	99.1	99.1
65 1000	93.5	96.3	97.5	98.9	99.2	99.2	99.4	99.4	99.4	99.4
65 900	93.7	96.5	97.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5
65 800	93.7	96.5	97.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5
65 700	93.7	96.5	97.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5
65 600	93.9	96.7	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9
65 500	93.9	96.7	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9
65 400	93.9	96.7	98.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
65 300	93.9	96.7	98.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
65 200	93.9	96.7	98.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
65 100	93.9	96.7	98.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0
65 000	93.9	96.7	98.1	99.7	99.9	99.9	100.0	100.0	100.0	100.0

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TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

INXER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL HOURS: 00-02

VISIBILITY IN STATUTE MILES

	CE 2 1/2	CE 2	CE 1 1/2	CE 1 1/4	CE 1	CE 3/4	CE 5/8	CE 1/2	CE 3/8	CE 1/4	CE 0
0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
1	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
2	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
3	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
6	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
8	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
9	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
10	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
11	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
12	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
13	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
14	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
15	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
16	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
17	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
18	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
19	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
20	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
21	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
23	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
24	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
25	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
26	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
27	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
28	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
29	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	71.3	72.9	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7
GE 20000	78.2	79.8	81.6	82.4	82.5	82.6	82.6	82.6	82.6	82.6
GE 18000	78.2	79.8	81.6	82.4	82.5	82.6	82.6	82.6	82.6	82.6
GE 16000	78.2	79.8	81.6	82.4	82.5	82.6	82.6	82.6	82.6	82.6
GE 14000	78.3	79.9	81.7	82.5	82.6	82.7	82.7	82.7	82.7	82.7
GE 12000	79.2	81.5	83.3	84.1	84.2	84.3	84.3	84.3	84.3	84.3
GE 10000	85.3	87.1	88.9	89.7	89.8	89.9	89.9	89.9	89.9	89.9
GE 9000	85.4	87.2	89.0	89.8	89.9	90.0	90.0	90.0	90.0	90.0
GE 8000	87.2	89.0	91.2	92.0	92.2	92.3	92.3	92.3	92.3	92.3
GE 7000	87.2	89.4	91.5	92.4	92.5	92.6	92.6	92.6	92.6	92.6
GE 6000	87.3	89.5	91.6	92.5	92.5	92.7	92.7	92.7	92.7	92.7
GE 5000	87.7	89.9	92.0	92.9	93.0	93.1	93.1	93.1	93.1	93.1
GE 4500	88.2	90.3	92.5	93.3	93.4	93.5	93.5	93.5	93.5	93.5
GE 4000	88.2	92.2	94.3	95.2	95.3	95.4	95.4	95.4	95.4	95.4
GE 3500	90.3	92.5	94.7	95.5	95.7	95.8	95.8	95.8	95.8	95.8
GE 3000	90.4	92.5	94.8	95.7	95.9	96.0	96.0	96.0	96.0	96.0
GE 2500	90.5	92.7	94.9	95.8	95.1	96.2	96.2	96.2	96.2	96.2
GE 2000	90.8	92.9	95.2	96.0	96.3	96.5	96.5	96.5	96.5	96.5
GE 1800	90.9	93.0	95.3	96.1	96.5	96.5	96.5	96.5	96.5	96.5
GE 1600	91.2	93.3	95.6	96.5	96.7	96.9	96.9	96.9	96.9	96.9
GE 1200	91.5	93.5	96.0	96.9	97.2	97.3	97.3	97.3	97.3	97.3
GE 1000	91.9	94.1	95.3	97.2	97.5	97.5	97.5	97.5	97.7	97.7
GE 900	92.5	94.7	97.0	97.3	98.2	98.3	98.3	98.3	98.4	98.4
GE 800	92.7	94.8	97.1	98.0	98.3	98.4	98.4	98.4	98.5	98.5
GE 700	93.0	95.2	97.4	98.3	98.6	98.7	98.7	98.7	98.8	98.8
GE 600	93.0	95.2	97.4	98.3	98.9	99.0	99.0	99.0	99.1	99.1
GE 500	93.3	95.5	97.7	98.6	99.2	99.4	99.4	99.4	99.5	99.5
GE 400	93.3	95.5	97.7	98.6	99.4	99.5	99.5	99.5	99.7	99.7
GE 300	93.3	95.5	97.7	98.7	99.5	99.6	99.6	99.6	99.8	99.8
GE 200	93.3	95.5	97.7	98.7	99.5	99.6	99.6	99.6	99.8	99.8
GE 100	93.3	95.5	97.7	98.7	99.5	99.6	99.6	99.6	99.8	99.8
GE 000	93.3	95.5	97.7	98.7	99.5	99.6	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WAFB AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUL HOURS: 03-05

VISIBILITY IN STATUTE MILES										
GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5
98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

OFFICE
MONTH:

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	6 7	5 6	4 5	3 4	2 3	1 1/2 2	1 1 1/2	1/2 1 1/4	1/4 1	
NO CEIL	55.4	55.6	59.3	70.1	70.5	70.8	70.7	70.6	70.3	70.1
GE 20000	71.5	74.7	75.1	76.6	77.1	77.3	77.3	77.4	77.4	77.2
GE 18000	71.5	74.7	75.2	76.7	77.2	77.4	77.4	77.4	77.4	77.4
GE 16000	71.5	74.7	75.2	76.7	77.2	77.4	77.4	77.4	77.4	77.4
GE 14000	71.5	75.1	76.2	77.2	77.7	78.0	78.0	78.0	78.0	78.0
GE 12000	73.5	75.1	78.5	78.9	79.5	79.9	79.9	79.9	79.9	79.9
GE 10000	74.5	81.5	83.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2
GE 8000	79.3	82.4	84.1	84.5	85.1	85.7	85.7	85.7	85.7	85.7
GE 6000	81.2	84.7	86.5	87.0	87.5	88.2	88.2	88.2	88.2	88.2
GE 4000	81.3	84.5	86.5	87.2	87.7	88.4	88.4	88.4	88.4	88.4
GE 2000	81.3	84.8	86.9	87.3	87.5	88.5	88.5	88.5	88.5	88.5
GE 1000	82.4	86.9	88.0	88.4	88.9	89.5	89.5	89.5	89.5	89.5
GE 800	82.5	86.1	88.2	88.5	89.1	89.5	89.5	89.5	89.5	89.5
GE 600	84.7	86.5	88.5	89.1	89.6	90.3	90.3	90.3	90.3	90.3
GE 400	85.2	88.3	89.0	89.4	89.9	90.5	90.5	90.5	90.5	90.5
GE 300	85.4	88.6	89.3	89.7	90.3	90.9	90.9	90.9	90.9	90.9
GE 250	85.0	89.5	91.3	92.3	92.8	93.4	93.4	93.4	93.4	93.4
GE 200	86.2	90.6	93.0	93.4	94.0	94.5	94.5	94.5	94.5	94.5
GE 180	87.4	91.2	93.5	94.0	94.5	95.2	95.2	95.2	95.2	95.2
GE 150	87.5	91.4	93.5	94.3	94.8	95.5	95.5	95.5	95.5	95.5
GE 120	89.0	92.3	95.2	95.7	96.2	96.9	96.9	96.9	96.9	96.9
GE 100	89.5	93.3	95.9	96.5	97.0	97.7	97.7	97.7	97.7	97.7
GE 80	89.5	93.3	95.9	96.5	97.0	97.7	97.7	97.7	97.7	97.7
GE 60	89.7	93.4	96.1	96.7	97.2	98.0	98.1	98.1	98.1	98.1
GE 40	89.7	93.4	96.1	96.7	97.3	98.1	98.3	98.3	98.3	98.3
GE 30	90.1	93.9	96.5	97.1	97.7	98.5	98.7	98.7	98.7	98.7
GE 20	90.4	94.2	96.9	97.5	98.3	99.0	99.4	99.4	99.4	99.4
GE 15	90.6	94.4	97.1	97.7	98.5	99.4	99.3	99.5	99.5	99.5
GE 10	90.6	94.4	97.1	97.7	98.5	99.4	99.3	99.5	99.5	99.5
GE 5	90.6	94.4	97.1	97.7	98.5	99.4	99.3	99.5	99.5	99.5
GE 1	90.6	94.4	97.1	97.7	98.5	99.4	99.3	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930

OF FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ARL 0K

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUL HOURS: 06-08

.....										
VISIBILITY IN STATUTE MILES										
1/2	3/4	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
.....										
70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
.....										

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GF 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	70.4	72.3	72.4	71	72.5	72.5	72.5	72.5	72.5	72.5
GE 20000	77.7	79.9	80.1	80.1	80.4	80.6	80.6	80.6	80.6	80.6
GE 18000	77.7	79.9	80.1	80.1	80.4	80.6	80.6	80.6	80.6	80.6
GE 16000	77.7	79.9	80.1	80.1	80.4	80.6	80.6	80.6	80.6	80.6
GE 14000	77.0	80.1	80.3	80.3	80.6	80.9	80.9	80.9	80.9	80.9
GE 12000	78.7	81.0	81.4	81.5	81.9	82.2	82.3	82.3	82.3	82.3
GE 10000	83.2	85.0	86.2	86.3	86.9	87.1	87.2	87.2	87.2	87.2
GE 9000	83.4	85.5	86.9	87.0	87.4	87.7	87.8	87.8	87.8	87.8
GE 8000	86.6	89.4	90.9	90.1	90.8	90.9	91.0	91.0	91.0	91.0
GE 7000	85.3	89.7	90.2	90.4	90.9	91.2	91.3	91.3	91.3	91.3
GE 6000	87.2	90.0	90.8	90.8	91.2	91.5	91.5	91.5	91.5	91.5
GE 5000	87.3	90.5	91.3	91.3	91.9	92.3	92.4	92.4	92.4	92.4
GE 4500	91.4	91.3	91.9	92.2	92.6	92.9	93.0	93.0	93.0	93.0
GE 4000	90.9	92.2	92.7	93.0	93.4	93.5	93.7	93.7	93.7	93.7
GE 3500	89.4	92.4	93.0	93.7	93.7	94.0	94.1	94.1	94.1	94.1
GE 3000	90.2	93.2	93.9	94.1	94.5	94.8	94.9	94.9	94.9	94.9
GE 2500	91.6	94.6	95.3	95.5	95.9	96.2	96.3	96.3	96.3	96.3
GE 2000	93.2	95.5	97.1	97.3	97.7	98.1	98.2	98.2	98.2	98.2
GE 1800	93.4	95.7	97.3	97.5	98.0	98.3	98.4	98.4	98.4	98.4
GE 1600	95.3	97.0	97.5	97.8	98.3	98.5	98.7	98.8	98.8	98.8
GE 1400	94.4	97.3	98.0	98.5	98.9	99.2	99.5	99.5	99.5	99.5
GE 1200	94.7	98.0	98.6	98.8	99.2	99.5	99.8	99.8	99.8	99.8
GE 1000	94.7	98.0	98.6	98.8	99.2	99.5	99.8	99.8	99.8	99.8
GE 900	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 800	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 700	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 600	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 500	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 400	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 300	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 200	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0
GE 100	94.9	98.2	98.8	99.0	99.5	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

AFB JK

[illegible]

OPERATING LOCATION "A"
USAFSTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 723540

STATION NAME: TINKER AFB TX
LST TO UTC: + 6

PERIOD
MONTH

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	63.1	64.5	64.5	64.4	63.3	63.3	63.5	63.3	63.8	63.
GE 20000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.
GE 17000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.
GE 16000	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.
GE 14000	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.
GE 12000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.
GE 10000	87.7	87.6	87.6	87.6	87.3	88.0	88.0	88.0	88.0	88.
GE 9000	87.2	88.2	88.2	88.2	88.4	88.5	88.5	88.5	88.5	88.
GE 8000	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.
GE 7000	91.1	91.2	91.2	91.2	91.5	91.6	91.6	91.6	91.6	91.
GE 6000	91.4	91.5	91.5	91.5	91.8	91.9	91.9	91.9	91.9	91.
GE 5000	92.1	92.2	92.2	92.2	92.5	92.5	92.5	92.5	92.5	92.
GE 4500	92.5	92.6	92.6	92.6	92.9	93.0	93.0	93.0	93.0	93.
GE 4000	93.7	93.8	93.8	93.8	94.1	94.2	94.2	94.2	94.2	94.
GE 3500	94.0	95.2	95.2	95.2	95.5	95.6	95.6	95.6	95.6	95.
GE 3000	95.5	95.7	95.7	95.7	97.4	97.5	97.5	97.5	97.5	97.
GE 2500	96.7	97.5	97.5	97.5	98.3	98.4	98.4	98.4	98.4	98.
GE 2000	97.0	98.3	98.3	98.3	99.0	99.1	99.1	99.1	99.1	99.
GE 1800	97.2	98.5	98.5	98.5	99.2	99.4	99.4	99.4	99.4	99.
GE 1600	97.2	98.5	98.5	98.5	99.2	99.4	99.4	99.4	99.4	99.
GE 1200	97.3	98.5	98.5	98.5	99.4	99.5	99.5	99.5	99.5	99.
GE 1000	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 900	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 800	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 700	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 600	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 500	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 400	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 300	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 200	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.
GE 100	97.5	98.9	98.9	98.9	99.7	99.9	100.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 930

15

DISTANCE IN STATUTE MILES

1 - 2 - 59

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERI
MONT

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 8	GE 9	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	73.4	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.
GE 20000	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.
GE 18000	84.0	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.
GE 16000	84.0	84.6	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.
GE 14000	84.3	84.9	84.9	84.9	85.3	85.3	85.3	85.3	85.3	85.
GE 12000	86.6	87.2	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.
GE 10000	91.8	91.8	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.
GE 8000	91.7	91.6	91.7	91.7	92.3	92.3	92.4	92.4	92.4	92.
GE 6000	93.1	93.9	94.0	94.0	94.6	94.6	94.6	94.6	94.6	94.
GE 7000	93.3	94.2	94.3	94.3	94.9	94.9	94.9	94.9	94.9	94.
GE 6000	93.1	94.4	94.5	94.5	95.1	95.1	95.2	95.2	95.2	95.
GE 4000	93.1	94.6	94.8	94.8	95.4	95.4	95.6	95.6	95.6	95.
GE 4800	93.0	94.7	94.9	94.9	95.5	95.5	95.6	95.6	95.6	95.
GE 4000	93.1	94.7	95.2	95.2	95.6	95.6	95.7	95.9	95.9	95.
GE 3500	95.3	97.2	97.3	97.5	98.1	98.1	98.2	98.2	98.5	98.
GE 3000	97.3	98.4	98.6	98.6	99.0	99.4	99.5	99.5	99.8	99.
GE 2500	97.7	98.6	99.0	99.1	99.5	99.5	99.7	99.7	99.7	99.
GE 2000	97.8	98.7	99.1	99.1	99.7	99.7	99.8	99.8	99.8	99.
GE 1500	98.7	98.8	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.
GE 1500	98.7	98.8	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.
GE 1200	98.9	99.0	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.
GE 1000	98.9	99.0	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.
GE 800	99.0	99.0	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.
GE 700	99.0	99.0	99.2	99.2	99.8	99.8	99.9	99.9	99.9	99.
GE 600	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.
GE 500	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.
GE 400	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.
GE 300	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.
GE 200	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.
GE 100	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.
GE 000	99.0	99.0	99.2	99.4	99.9	99.9	100.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS 930

6. STATE FREQUENCY OF OCCURRENCE OF CHILING VERSUS VISIBILITY

100-100000

PRINTED BY OFFICE: MAY 79 - 150 00

MONTH: JUL YEARS: 195-17

[illegible]

OPERATING LOCATION NAME
USAFBAG, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
TYPICAL WINDY OBSERVATIONS

STATION NUMBER: 700040

STATION NAME: LINKER AFB, NC
EST. DATE: 4/7

PERIOD:
1977

CLIMING

VISIBILITY IN STATUTE MILES

1	2	3	4	5	6	7	8	9	10	11
1/2	1	1 1/2	2	2 1/2	3	4	5	6	7	8
01 0-10	75.3	77.1	77.5	77.7	77.5	77.7	77.7	77.7	77.7	77.7
02 11-20	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
03 21-30	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
04 31-40	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
05 41-50	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
06 51-60	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
07 61-70	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
08 71-80	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
09 81-90	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
10 91-100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
11 101-110	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
12 111-120	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
13 121-130	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
14 131-140	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
15 141-150	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
16 151-160	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
17 161-170	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
18 171-180	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
19 181-190	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
20 191-200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
21 201-210	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
22 211-220	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
23 221-230	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
24 231-240	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
25 241-250	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
26 251-260	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
27 261-270	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
28 271-280	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
29 281-290	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
30 291-300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
31 301-310	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
32 311-320	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
33 321-330	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
34 331-340	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
35 341-350	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
36 351-360	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
37 361-370	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
38 371-380	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
39 381-390	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
40 391-400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
41 401-410	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
42 411-420	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
43 421-430	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
44 431-440	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
45 441-450	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
46 451-460	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
47 461-470	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
48 471-480	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
49 481-490	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
50 491-500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
51 501-510	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
52 511-520	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
53 521-530	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
54 531-540	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
55 541-550	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
56 551-560	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
57 561-570	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
58 571-580	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
59 581-590	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
60 591-600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
61 601-610	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
62 611-620	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
63 621-630	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
64 631-640	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
65 641-650	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
66 651-660	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
67 661-670	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
68 671-680	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
69 681-690	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
70 691-700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
71 701-710	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
72 711-720	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
73 721-730	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
74 731-740	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
75 741-750	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
76 751-760	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
77 761-770	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
78 771-780	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
79 781-790	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
80 791-800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
81 801-810	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
82 811-820	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
83 821-830	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
84 831-840	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
85 841-850	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
86 851-860	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
87 861-870	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
88 871-880	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
89 881-890	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
90 891-900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
91 901-910	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
92 911-920	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
93 921-930	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
94 931-940	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
95 941-950	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
96 951-960	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
97 961-970	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
98 971-980	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
99 981-990	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
100 991-1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL WINDY OBSERVATIONS: 23

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

1 : TINKER AFB 34

REF ID: A66000

MONTH: JUL HOURS: 13-20

[illegible]

OPERATING LOCATION "AM"
WASHTAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1
NO CEIL	77.6	82.8	81.7	82.5	82.5	82.7	82.7	82.7	82.7	82.7
GE 20000	83.7	87.9	88.0	86.7	83.7	86.2	88.9	88.9	86.9	83.4
GE 18000	85.7	87.5	88.0	84.7	83.7	88.3	88.4	88.4	88.9	88.4
GE 16000	85.7	87.3	88.0	82.7	83.7	88.9	88.9	88.0	88.9	88.9
GE 14000	85.1	87.5	88.5	89.2	89.2	89.5	89.5	89.5	89.5	89.5
GE 12000	87.0	89.2	89.2	91.0	91.0	91.2	91.2	91.2	91.2	91.0
GE 10000	90.1	91.5	92.5	93.2	93.2	93.4	93.6	93.4	93.4	93.4
GE 9000	90.4	91.7	92.5	93.5	93.5	93.7	93.8	93.8	93.8	93.8
GE 8000	90.4	93.7	94.7	95.5	95.5	95.8	95.7	95.8	95.8	95.8
GE 7000	92.7	94.1	95.5	95.7	95.3	95.5	95.5	95.5	95.5	95.5
GE 6000	92.9	94.5	95.7	95.5	95.5	95.7	95.5	95.7	95.7	95.7
GE 5000	93.3	94.7	95.1	95.9	97.0	97.2	97.2	97.2	97.2	97.2
GE 4500	93.3	94.7	95.1	95.9	97.0	97.2	97.2	97.2	97.2	97.2
GE 4000	94.5	95.5	95.9	97.7	97.3	98.1	98.1	98.1	98.1	98.1
GE 3500	94.2	95.7	97.2	98.9	98.4	98.5	98.5	98.5	98.5	98.5
GE 3000	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 2500	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 2000	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 1800	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 1600	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 1400	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 1200	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 1000	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 800	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 600	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 400	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 200	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2
GE 100	94.7	96.1	97.7	98.7	98.3	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 999

FROM HOURLY OBSERVATIONS

AFB 32

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: JUL HOURS: 21-23

VISIBILITY IN STATUTE MILES

GF	GE	GF	GF	GE	GE	GF	GE	GE	GE	GE
2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/2	1/4	0

[illegible]

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE PROBABILITY OF
PRECIPITATION

DATE: 10/1/74
TIME: 11:00

STATION NUMBER: 723540

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

DATE: 10/1/74
TIME: 11:00

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	5/7	5/8	5/5	5/4	5/3	5/2 1/2	5/2	5/1 1/2	5/1 1/4	5/1
NO CEIL	72.5	74.0	74.5	74.9	75.0	75.1	75.1	75.1	75.1	75.1
35 20000	82.5	82.2	82.9	83.3	83.5	83.7	83.7	83.7	83.7	83.7
35 18000	82.5	82.3	83.0	83.4	83.5	83.5	83.5	83.5	83.5	83.5
35 16000	82.7	82.3	83.1	83.5	83.7	83.5	83.5	83.5	83.5	83.5
35 14000	81.0	82.7	83.5	83.7	84.1	84.2	84.2	84.2	84.2	84.2
35 12000	82.5	84.2	85.1	85.5	85.7	85.9	85.9	85.9	85.9	85.9
35 10000	86.0	86.5	86.4	86.2	86.1	86.3	86.4	86.4	86.4	86.4
35 8000	87.1	87.9	87.5	86.2	86.5	86.7	86.7	86.7	86.7	86.7
35 6000	87.2	87.1	87.1	87.5	87.8	88.0	88.1	88.1	88.1	88.1
35 4000	89.5	89.5	89.5	89.5	89.3	89.5	89.5	89.5	89.5	89.5
35 2000	89.7	89.5	89.7	89.2	89.4	89.7	89.7	89.7	89.7	89.7
35 5000	88.1	88.2	88.2	88.7	88.8	88.9	88.9	88.9	88.9	88.9
35 4500	88.4	88.4	88.5	88.7	88.8	88.9	88.9	88.9	88.9	88.9
35 4000	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
35 3500	88.1	88.2	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6
35 3000	87.7	88.2	88.1	88.5	87.0	87.2	87.3	87.3	87.3	87.3
35 2500	88.2	88.4	88.5	87.5	87.4	87.5	87.7	87.7	87.7	87.7
35 2000	88.7	88.5	87.5	87.5	87.5	88.1	88.2	88.2	88.2	88.2
35 1800	87.5	87.9	87.1	87.7	88.1	88.3	88.3	88.3	88.3	88.3
35 1600	86.9	86.1	87.3	87.5	88.3	88.5	88.5	88.5	88.5	88.5
35 1200	88.4	88.5	87.7	88.2	88.7	88.9	88.9	88.9	88.9	88.9
35 1000	88.5	88.7	88.0	88.5	88.9	89.2	89.2	89.2	89.2	89.2
35 800	88.7	88.5	88.1	88.5	88.9	89.3	89.4	89.4	89.4	89.4
35 600	88.8	88.9	88.1	88.7	89.1	89.4	89.4	89.4	89.4	89.4
35 400	88.5	88.7	88.2	88.7	89.2	89.4	89.5	89.5	89.5	89.5
35 200	88.9	87.5	88.3	88.8	89.3	89.5	89.7	89.7	89.7	89.7
35 500	88.5	87.1	88.3	88.9	89.4	89.7	89.8	89.8	89.8	89.8
35 400	87.9	87.1	88.4	89.0	89.5	89.7	89.7	89.7	89.7	89.7
35 300	88.5	87.1	88.4	89.0	89.5	89.7	89.7	89.7	89.7	89.7
35 200	88.5	87.1	88.4	89.0	89.5	89.7	89.7	89.7	89.7	89.7
35 100	88.5	87.1	88.4	89.0	89.5	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS: 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

MINNEAPOLIS, MN

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: JUL HOURS: ALL

VISIBILITY IN STATUTE MILES											
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFBAC, ASHTVILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

CEILING IN FEET	VISIBILITY IN STATUTE MILES									
	3+	3	2+	2	1+	1	1/2	1/2	1/4	1/4
NO CEIL	71.9	71.2	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1
30 20000	71.1	70.7	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 10000	71.5	70.9	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7
30 1000	72.1	70.6	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9
30 10000	72.2	70.3	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5
30 12000	72.5	71.2	71.5	72.0	72.0	72.0	72.0	72.0	72.0	72.0
30 10000	71.2	70.8	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5
30 10000	70.7	70.9	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7
30 10000	71.2	70.7	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
30 7000	71.7	71.2	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2
30 6000	71.5	71.1	72.4	72.7	72.5	72.5	72.5	72.5	72.5	72.5
30 10000	71.7	73.7	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
30 4000	71.4	74.4	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
30 6000	73.7	71.7	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7
30 5000	74.5	77.1	77.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1
30 3000	74.1	77.1	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2
30 2500	74.1	77.1	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2
30 2000	74.1	77.1	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2
30 1000	74.1	77.1	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2
30 1500	74.2	77.2	77.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
30 1200	74.5	77.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
30 1000	74.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
30 1000	74.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
30 1000	74.5	77.5	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
30 700	74.2	77.2	77.7	78.4	78.5	78.5	78.5	78.5	78.5	78.5
30 600	74.2	77.2	77.7	78.4	78.5	78.5	78.5	78.5	78.5	78.5
30 500	75.1	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
30 400	75.1	78.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7
30 300	75.1	78.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7
30 200	75.1	78.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7
30 100	75.1	78.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7
30 000	75.1	78.1	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7

TOTAL NUMBER OF OBSERVATIONS 930

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: AUG HOURS: 00-02

[illegible]

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723040

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|--------|------|--------|--------|------|
| | 7 | 8 | 9 | 10 | 11 | 12 1/2 | 13 | 14 1/2 | 15 1/4 | 16 |
| NO CEIL | 67.0 | 69.5 | 70.2 | 71.0 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 |
| 35 2000 | 74.7 | 77.1 | 77.6 | 78.6 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 |
| 50 1800 | 74.6 | 77.1 | 77.3 | 78.6 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 |
| 65 1600 | 74.6 | 77.1 | 77.6 | 78.6 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 |
| 80 1400 | 75.6 | 77.7 | 78.6 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 95 1200 | 75.7 | 78.3 | 79.7 | 79.8 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 |
| 110 1000 | 82.8 | 86.3 | 86.2 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 |
| 125 900 | 82.7 | 86.7 | 86.7 | 87.4 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| 140 800 | 87.4 | 88.6 | 89.5 | 89.3 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 |
| 155 700 | 88.0 | 89.2 | 89.2 | 91.0 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 |
| 170 600 | 86.6 | 87.7 | 88.7 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 |
| 185 500 | 88.2 | 91.5 | 92.7 | 93.4 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 |
| 200 400 | 88.6 | 91.7 | 92.9 | 93.7 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 |
| 215 300 | 90.1 | 93.6 | 94.3 | 95.7 | 95.7 | 95.8 | 96.1 | 96.0 | 96.0 | 96.0 |
| 230 200 | 92.7 | 94.7 | 95.4 | 96.2 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 |
| 245 100 | 93.1 | 94.2 | 95.5 | 96.5 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 |
| 260 000 | 93.7 | 94.3 | 95.7 | 96.5 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| 275 000 | 91.0 | 94.4 | 95.5 | 96.7 | 96.7 | 96.8 | 97.1 | 97.0 | 97.0 | 97.0 |
| 290 000 | 91.0 | 94.4 | 95.5 | 96.7 | 96.8 | 96.8 | 97.1 | 97.0 | 97.0 | 97.0 |
| 305 000 | 91.3 | 94.7 | 95.5 | 97.2 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 |
| 320 000 | 91.5 | 94.7 | 95.5 | 97.4 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 |
| 335 000 | 91.3 | 94.9 | 95.5 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 |
| 350 000 | 91.3 | 94.9 | 95.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 |
| 365 000 | 91.4 | 95.2 | 95.9 | 98.3 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| 380 000 | 91.4 | 95.3 | 95.9 | 98.0 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| 395 000 | 91.5 | 95.7 | 97.4 | 98.5 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| 410 000 | 91.5 | 95.7 | 97.4 | 98.5 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| 425 000 | 91.5 | 95.7 | 97.4 | 98.5 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| 440 000 | 91.5 | 95.7 | 97.5 | 98.6 | 98.7 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| 455 000 | 91.5 | 95.7 | 97.5 | 98.6 | 98.7 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| 470 000 | 91.5 | 95.7 | 97.5 | 98.6 | 98.7 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS 930

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: K

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: AUG HOURS: 03-05

VISIBILITY IN STATUTE MILES

| 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2 | 3/4 | 1 | 1 1/4 | 1 1/2 | 1 3/4 | 2 | 2 1/4 | 2 1/2 | 2 3/4 | 3 | 3 1/4 |
| 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 | 100.7 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB MO
EST TO UTC: +6

PERIOD
MONTH

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
8 | GE
9 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 67.4 | 67.7 | 67.3 | 67.3 | 67.1 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 |
| GE 20000 | 67.7 | 72.4 | 72.5 | 73.4 | 74.3 | 74.7 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 18000 | 67.7 | 72.4 | 72.5 | 73.4 | 74.3 | 74.4 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 16000 | 67.7 | 72.7 | 72.5 | 73.5 | 74.4 | 74.9 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 14000 | 68.2 | 71.5 | 73.5 | 74.2 | 75.1 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 12000 | 67.1 | 72.5 | 74.5 | 75.3 | 75.7 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 10000 | 75.2 | 77.9 | 81.2 | 82.3 | 83.4 | 84.2 | 84.3 | 84.3 | 84.3 | 84.4 |
| GE 9000 | 75.2 | 77.9 | 81.2 | 83.0 | 84.2 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 8000 | 77.2 | 78.7 | 87.7 | 88.1 | 89.2 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 7000 | 77.2 | 77.7 | 77.7 | 80.8 | 80.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 6000 | 67.1 | 75.5 | 77.7 | 80.9 | 80.1 | 83.5 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 5000 | 71.7 | 75.7 | 77.7 | 80.2 | 81.2 | 81.7 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 4000 | 71.7 | 75.7 | 81.2 | 81.1 | 81.4 | 82.7 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 3000 | 67.1 | 77.7 | 81.2 | 82.7 | 83.5 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 |
| GE 2500 | 81.2 | 81.7 | 81.2 | 82.2 | 83.7 | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 2000 | 81.2 | 81.7 | 81.7 | 82.4 | 82.2 | 84.3 | 84.2 | 84.3 | 84.2 | 84.2 |
| GE 1800 | 82.4 | 82.5 | 81.4 | 82.5 | 84.2 | 84.2 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 1600 | 82.4 | 82.6 | 81.3 | 83.3 | 84.5 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 1400 | 81.7 | 82.4 | 81.2 | 83.1 | 84.3 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 1200 | 83.2 | 82.7 | 82.5 | 83.2 | 84.2 | 85.7 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 1000 | 84.3 | 84.7 | 82.2 | 83.7 | 85.4 | 85.1 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 900 | 84.2 | 84.7 | 82.5 | 84.2 | 85.2 | 85.7 | 87.1 | 87.1 | 87.1 | 87.1 |
| GE 800 | 84.2 | 84.7 | 82.5 | 84.3 | 85.2 | 85.5 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 700 | 84.3 | 85.2 | 82.5 | 84.4 | 85.1 | 85.4 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 600 | 84.5 | 85.1 | 82.4 | 84.5 | 85.3 | 87.2 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 500 | 84.5 | 85.3 | 83.2 | 85.3 | 87.2 | 87.5 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 400 | 84.5 | 85.3 | 83.4 | 85.5 | 87.5 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 300 | 84.5 | 85.5 | 83.4 | 85.5 | 87.5 | 88.4 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 200 | 84.5 | 85.5 | 83.5 | 85.5 | 87.7 | 88.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 100 | 84.5 | 85.5 | 83.5 | 85.5 | 87.7 | 88.5 | 89.4 | 89.5 | 89.5 | 89.5 |
| GE 50 | 84.5 | 85.5 | 83.5 | 85.5 | 87.7 | 88.5 | 89.4 | 89.5 | 89.5 | 89.5 |

TOTAL NUMBER OF OBSERVATIONS: 1157

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

| STATION: 34 | | PERIOD OF RECORD: MAR 79 - FEB 89 | | | | | | | | | |
|-----------------------------|------|-----------------------------------|-------|------|------|------|------|------|------|------|-------|
| | | MONTH: AUG HOURS: 06-09 | | | | | | | | | |
| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
| 1/2 | 3/4 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0 | |
| 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 74.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 74.7 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 75.0 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 75.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 94.9 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 99.5 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

OPERATING LOCATION "A"
USAF TAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE IN
FROM 1 JULY 1954 TO 30 JUNE 1955

STATION NUMBER: 723543

STATION NAME: TUCKER ARMY
LST TO UTC: + 5

21

47

| CEILING
FT | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|---------------|-----------------------------|------|-------|------|-------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 1/2 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 4 | 5 | 6 | 7 |
| 0-100 | 67.2 | 67.7 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 100-200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 200-300 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 300-400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 400-500 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 500-600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 600-700 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 700-800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 800-900 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 900-1000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 1000-1200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 1200-1400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 1400-1600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 1600-1800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 1800-2000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2000-2200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2200-2400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2400-2600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2600-2800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 2800-3000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 3000-3200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 3200-3400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 3400-3600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 3600-3800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 3800-4000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 4000-4200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 4200-4400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 4400-4600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 4600-4800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 4800-5000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 5000-5200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 5200-5400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 5400-5600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 5600-5800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 5800-6000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 6000-6200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 6200-6400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 6400-6600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 6600-6800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 6800-7000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 7000-7200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 7200-7400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 7400-7600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 7600-7800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 7800-8000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 8000-8200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 8200-8400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 8400-8600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 8600-8800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 8800-9000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9000-9200 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9200-9400 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9400-9600 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9600-9800 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 9800-10000 | 76.3 | 76.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| TOTAL | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |

TOTAL 93.3 PERCENTAGE

AD-A211 168

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR :

648

WINKER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT AFB IL

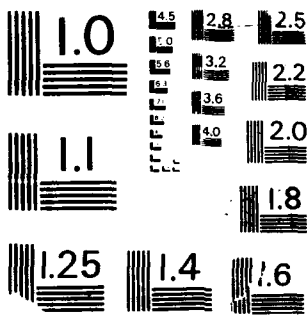
JUN 89

UNCLASSIFIED

USAFETAC/DS-89/207

F/G 4/2

NL



FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: AUG HOURS: 09-11

40NT 4: 406 47URS: 09-11

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF C-ILY
FROM TWELVE OBSERVATIONS

DATE: 11/14/2001

VISIBILITY IN STATUTE FILES

| IN
FEET | 2
7 | 3
8 | 35
8 | 36
4 | 34
3 | 35
2 1/2 | 31
2 | 30
1 1/2 | 30
1 1/4 | 30
1 | 30
0 |
|------------|--------|--------|---------|---------|---------|-------------|---------|-------------|-------------|---------|---------|
| 10 000 | 67.1 | 67.6 | 67.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 75 10000 | 70.6 | 70.6 | 70.3 | 70.5 | 71.5 | 70.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 65 10000 | 75.7 | 77.2 | 74.7 | 79.0 | 79.0 | 77.0 | 79.0 | 77.0 | 79.0 | 79.0 | 79.0 |
| 55 10000 | 74.3 | 77.5 | 79.0 | 79.4 | 77.4 | 79.4 | 77.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 45 10000 | 76.7 | 77.2 | 79.7 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| 35 10000 | 77.0 | 77.0 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 25 10000 | 74.0 | 75.0 | 84.3 | 85.0 | 84.6 | 85.0 | 84.6 | 85.0 | 84.6 | 85.0 | 85.0 |
| 15 10000 | 75.2 | 75.9 | 85.0 | 85.9 | 83.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 5 10000 | 87.0 | 90.1 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 7000 | 87.0 | 89.1 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 6000 | 87.0 | 89.0 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 5000 | 87.0 | 89.4 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 4000 | 87.0 | 91.1 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 3000 | 91.2 | 93.2 | 95.5 | 95.9 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 2500 | 91.7 | 93.6 | 95.1 | 95.6 | 95.3 | 95.7 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 2000 | 92.0 | 94.0 | 97.0 | 97.5 | 97.3 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 1500 | 93.0 | 95.5 | 97.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 1000 | 93.3 | 95.7 | 98.0 | 98.4 | 98.7 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 800 | 93.3 | 95.7 | 98.0 | 98.4 | 98.7 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 600 | 93.4 | 95.0 | 98.2 | 98.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 400 | 93.4 | 95.0 | 98.2 | 98.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 200 | 93.7 | 96.0 | 98.4 | 98.3 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 100 | 93.7 | 96.0 | 98.4 | 98.3 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 50 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 25 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 10 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 5 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 2 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 1 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 0.5 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 0.2 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 0.1 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 0.05 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 0.02 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 0.01 | 93.0 | 95.1 | 98.5 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | | |

TOTAL NUMBER OF OBSERVATIONS 930

FROM MYSELF OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: AUG HOURS: 12-14

VISIBILITY IN STATUTE MILES

PERCENTAGE FREQUENCY OF OCCURRENCE OF CUM
FAMILY OBSERVATIONS

0-1
0-1

[illegible]

TOTAL NUMBER OF OBSERVATIONS 930

— 2 —

NOTE: AUG HOURS: 15-17

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF C I
IN P. LUTELY AND VILVINS

1. I have been thinking of you very much lately.

TOTAL NUMBER OF DEPORTATIONS 930

100-4518

AVAILABILITY IN STATUTE MILES

3 - 2 - 77

OPERATING LOCATION "A"
USAF-TAC, ASH-VILL NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C I L
FROM HOURLY OBSERVATIONS

STATION NUMBER: 703540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

UNIT: 1
UNIT 2: 1

| CEILING | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|---------|-----------------------------|------|------|------|------|------|------|------|------|-------|
| | 10 | 5 | 3 | 2 | 1 | 1/2 | 1/4 | 1/8 | 1/16 | 1/32 |
| FEET | 7 | 3 | 1 | 1/2 | 1/4 | 1/8 | 1/16 | 1/32 | 1/64 | 1/128 |
| 10000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 9000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 8000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 7000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 6000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 5000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 4000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 3000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 2000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 500 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 200 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 100 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 50 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 20 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 10 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/2 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/4 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/8 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/16 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/32 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/64 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 1/128 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |

TOTAL NUMBER OF OBSERVATIONS 936

PERCENTAGE POPULATION OF COASTAL MEXICO
SPEAKING SPANISH

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.

VISIBILITY 10 TO 15.00 MILES

TOTAL NUMBER OF INFORMATION 7440

ANALYSIS OF OCCURRENCE OF FOILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

1. 2. 3.

PRINTED RECORD: PAGE 79 - OF 80
 MONTH: AUG 1993: ALL

AVAILABILITY IN STATUTE MILES

[illegible]

DEPARTING LOCATION: WAM
ISAAC, ASH VILL, NC

DEPARTING LOCATION: WAM
ISAAC, ASH VILL, NC

STATION: 1000 : 2000

STATION: 1000 : 2000
ELEVATION: + 0

STATION: 1000 : 2000
ELEVATION: + 0

| STATION | WIND | | | | | VISIBILITY IN STATUTE MILES | | | | |
|---------|------|------|------|------|------|-----------------------------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1000 | 71.3 | 71.3 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 1001 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1002 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1003 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1004 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1005 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1006 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1007 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1008 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1009 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1010 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1011 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1012 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1013 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1014 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1015 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1016 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1017 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1018 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1019 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1020 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1021 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1022 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1023 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1024 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1025 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1026 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1027 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1028 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1029 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1030 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1031 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1032 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1033 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1034 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1035 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1036 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1037 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1038 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1039 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1040 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1041 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1042 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1043 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1044 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1045 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1046 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1047 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1048 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1049 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 1050 | 71.3 | 71.3 | 71.2 | 71.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |

TOTAL NUMBER OF OBSERVATIONS: 100

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM GROUND OBSERVATIONS

7-12-68 AFM 16

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: 00-02

[illegible]

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD OF
MONTH: SEP

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|
| | GE
7 | GE
8 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 |
| ALL CEIL | 55.5 | 57.2 | 53.2 | 55.3 | 53.2 | 59.0 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 |
| GE 20000 | 72.2 | 71.2 | 72.7 | 73.4 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 |
| GE 18000 | 72.5 | 72.2 | 73.0 | 73.3 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 |
| GE 16000 | 71.5 | 72.2 | 73.0 | 73.3 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 |
| GE 14000 | 71.5 | 72.7 | 73.4 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 12000 | 72.2 | 73.2 | 74.7 | 75.4 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 10000 | 72.2 | 72.3 | 74.5 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 9000 | 72.4 | 72.2 | 73.1 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| GE 8000 | 72.4 | 72.4 | 71.4 | 72.2 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 7000 | 72.3 | 71.3 | 72.2 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 |
| GE 6000 | 73.4 | 71.4 | 72.5 | 73.3 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 |
| GE 5000 | 72.4 | 72.4 | 73.3 | 74.3 | 74.9 | 75.0 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 |
| GE 4500 | 71.2 | 72.2 | 73.0 | 73.4 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 4000 | 72.1 | 72.6 | 72.0 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 3500 | 74.3 | 72.5 | 72.0 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 3000 | 74.7 | 72.7 | 72.7 | 73.3 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 2500 | 72.4 | 72.7 | 72.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 2000 | 72.1 | 72.5 | 72.2 | 72.1 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 1800 | 72.2 | 72.7 | 72.3 | 72.2 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 1600 | 72.2 | 72.7 | 72.3 | 72.2 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 1400 | 72.2 | 72.2 | 71.2 | 73.1 | 73.1 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 1200 | 72.2 | 72.5 | 71.5 | 73.4 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 |
| GE 1000 | 72.3 | 72.0 | 72.0 | 73.9 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 |
| GE 900 | 72.3 | 72.3 | 72.4 | 74.5 | 74.7 | 74.7 | 75.0 | 75.1 | 75.1 | 75.1 | 75.2 |
| GE 800 | 72.3 | 72.6 | 72.4 | 75.3 | 75.7 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 700 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 600 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 500 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 400 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 300 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 200 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 100 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |
| GE 000 | 72.3 | 72.6 | 73.1 | 75.6 | 75.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 |

TOTAL NUMBER OF OBSERVATIONS 900

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

WAFB DC

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: 03-05

| | | | | | | | | | | |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES | | | | | | | | | | |
| GE
1 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| | | | | | | | | | | |
| 69.0 | 69.0 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 74.4 | 74.4 | 74.4 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 79.3 | 79.3 | 79.3 | 79.3 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 82.4 | 82.4 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 83.6 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 89.0 | 89.0 | 89.0 | 89.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 90.3 | 90.3 | 90.3 | 90.3 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 91.4 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 92.5 | 92.5 | 92.5 | 92.5 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 92.7 | 92.8 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 94.3 | 94.4 | 94.4 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 95.0 | 95.1 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 95.3 | 95.9 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 95.1 | 96.2 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| 96.5 | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 97.1 | 97.3 | 97.4 | 97.4 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| 97.6 | 97.9 | 98.1 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| 98.0 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 |
| 98.0 | 98.6 | 98.9 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.9 |
| 99.0 | 99.6 | 99.9 | 99.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 100.0 |
| | | | | | | | | | | |

OPERATING LOCATION "A"
USAFSTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: SEP

| | | | | | | | | | | | |
|------------|---------|---------|---------|----------|----------|-----------------------------|---------|---------|---------|---------|---------|
| CEILING | | | | | | VISIBILITY IN STATUTE MILES | | | | | |
| IN
FEET | GE
7 | GE
8 | GE
9 | GE
10 | GE
11 | GE
2 1/2 | GE
3 | GE
4 | GE
5 | GE
6 | GE
7 |
| | | | | | | | | | | | |
| ALL CEIL | 59.2 | 59.1 | 59.4 | 61.0 | 61.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| GE 20000 | 57.7 | 58.1 | 58.4 | 58.0 | 67.0 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 18000 | 59.7 | 58.1 | 58.4 | 58.0 | 67.0 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 16000 | 59.7 | 58.1 | 58.4 | 58.0 | 67.0 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 14000 | 61.1 | 58.4 | 58.9 | 68.4 | 67.4 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 12000 | 63.7 | 58.4 | 57.9 | 59.4 | 69.4 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 10000 | 64.3 | 72.1 | 73.8 | 74.4 | 75.4 | 75.2 | 75.2 | 73.4 | 75.2 | 75.2 | 75.2 |
| GE 8000 | 62.7 | 73.0 | 74.7 | 75.3 | 75.3 | 75.3 | 75.3 | 75.2 | 75.3 | 75.3 | 75.3 |
| GE 6000 | 72.3 | 75.4 | 78.3 | 79.0 | 80.1 | 80.3 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 4000 | 73.8 | 77.5 | 79.8 | 80.2 | 81.4 | 81.2 | 81.2 | 81.4 | 81.2 | 81.2 | 81.2 |
| GE 2000 | 73.2 | 75.1 | 79.4 | 80.7 | 82.0 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 1000 | 74.4 | 75.7 | 80.5 | 81.5 | 82.5 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 800 | 74.4 | 75.7 | 80.7 | 81.4 | 82.2 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 600 | 75.5 | 80.2 | 83.3 | 84.3 | 85.9 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 400 | 75.5 | 80.2 | 83.5 | 84.5 | 85.2 | 86.7 | 85.9 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 300 | 75.7 | 81.1 | 83.9 | 85.0 | 85.3 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 2500 | 77.5 | 82.1 | 84.2 | 85.2 | 88.0 | 88.4 | 87.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 2000 | 78.2 | 82.2 | 85.5 | 86.9 | 88.7 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1800 | 78.7 | 83.2 | 86.0 | 87.5 | 89.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 1600 | 78.2 | 83.3 | 86.4 | 87.3 | 89.5 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 1400 | 79.4 | 84.1 | 87.3 | 88.9 | 90.5 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 1200 | 80.1 | 84.8 | 88.1 | 89.7 | 91.6 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 1000 | 80.4 | 85.7 | 89.0 | 90.7 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 800 | 80.2 | 86.2 | 90.0 | 92.0 | 94.0 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 700 | 81.3 | 86.5 | 90.6 | 92.5 | 94.6 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 600 | 81.3 | 86.2 | 90.5 | 92.7 | 94.9 | 95.4 | 95.7 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 500 | 81.7 | 87.2 | 91.1 | 93.3 | 95.7 | 96.2 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 400 | 81.7 | 87.2 | 91.1 | 93.3 | 95.0 | 96.7 | 97.0 | 97.6 | 97.5 | 97.5 | 97.5 |
| GE 300 | 82.0 | 87.6 | 91.4 | 93.7 | 95.3 | 97.1 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 200 | 82.1 | 87.7 | 91.6 | 93.8 | 95.8 | 97.6 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 100 | 82.1 | 87.7 | 91.6 | 93.3 | 96.8 | 97.6 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 000 | 82.1 | 87.7 | 91.6 | 93.3 | 95.8 | 97.6 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 |
| | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 900

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: 06-08

..... VISIBILITY IN STATUTE MILES

| GE
1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/4 | GE
1/4 | GE
0 |
|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 83.3 | 83.4 | 83.4 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 93.1 | 93.3 | 93.3 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 94.9 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 95.4 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 96.3 | 96.7 | 96.0 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 97.3 | 96.6 | 96.9 | 96.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 97.9 | 97.9 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 98.1 | 97.4 | 98.0 | 98.0 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 97.5 | 97.9 | 98.4 | 98.4 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 |
| 97.6 | 97.9 | 98.4 | 98.4 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.7 | 100.0 |
| 97.6 | 97.9 | 98.4 | 98.4 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.7 | 100.0 |

OPERATING LOCATION: WAM
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723-40

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH: 6

| CHILING
1.
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|--------|--------|--------|--------|------------|--------|------------|------------|--------|
| | 10
7 | 9
6 | 8
5 | 7
4 | 6
3 | 5
2 1/2 | 4
2 | 3
1 1/2 | 2
1 1/4 | 1
1 |
| NO CHIL | 61.0 | 64.1 | 64.6 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 65 20000 | 65.4 | 65.2 | 65.2 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 65 14000 | 65.4 | 65.2 | 65.4 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 65 16000 | 65.4 | 65.6 | 65.2 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| 65 14000 | 65.7 | 69.6 | 70.2 | 70.3 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| 65 12000 | 71.1 | 71.2 | 71.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 65 11000 | 71.2 | 74.9 | 75.2 | 75.9 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 65 10000 | 72.5 | 75.4 | 76.5 | 76.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 65 9000 | 73.1 | 73.6 | 73.7 | 73.8 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 65 7000 | 75.1 | 75.2 | 81.4 | 81.5 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 65 6000 | 75.1 | 75.2 | 82.7 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 65 5000 | 75.4 | 81.2 | 83.2 | 83.4 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 65 4500 | 75.5 | 81.2 | 83.3 | 83.5 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 65 4000 | 81.3 | 84.4 | 85.3 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 65 3500 | 81.1 | 84.7 | 85.4 | 86.2 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 65 3000 | 82.7 | 85.5 | 87.0 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 65 2500 | 83.1 | 87.0 | 89.5 | 89.9 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 65 2000 | 84.2 | 89.3 | 90.2 | 90.3 | 90.3 | 90.2 | 91.0 | 91.0 | 91.0 | 91.0 |
| 65 1800 | 84.2 | 89.3 | 90.0 | 90.3 | 90.3 | 90.2 | 91.0 | 91.0 | 91.0 | 91.0 |
| 65 1600 | 84.6 | 89.7 | 90.3 | 90.7 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| 65 1200 | 85.1 | 90.6 | 92.2 | 92.6 | 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 |
| 65 1000 | 85.1 | 91.0 | 93.7 | 94.1 | 94.7 | 94.6 | 94.7 | 94.9 | 94.9 | 94.9 |
| 65 900 | 85.0 | 92.1 | 93.2 | 94.3 | 94.7 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 |
| 65 800 | 87.7 | 92.9 | 94.2 | 95.2 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 65 700 | 87.3 | 93.2 | 95.0 | 95.4 | 95.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| 65 600 | 88.2 | 93.4 | 95.4 | 95.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| 65 500 | 89.1 | 94.3 | 95.3 | 97.4 | 93.5 | 93.7 | 93.2 | 93.2 | 93.2 | 93.2 |
| 65 400 | 89.2 | 94.6 | 97.0 | 97.7 | 93.3 | 95.9 | 93.4 | 93.4 | 93.4 | 93.4 |
| 65 300 | 89.3 | 94.7 | 97.1 | 97.9 | 93.0 | 99.1 | 93.7 | 93.7 | 93.7 | 93.7 |
| 65 200 | 89.4 | 94.8 | 97.2 | 98.0 | 93.1 | 99.2 | 93.8 | 93.8 | 93.8 | 93.8 |
| 65 100 | 89.4 | 94.8 | 97.2 | 98.0 | 93.1 | 99.2 | 93.8 | 93.8 | 93.8 | 93.8 |
| 65 000 | 89.4 | 94.8 | 97.2 | 98.0 | 93.1 | 99.2 | 93.8 | 93.8 | 93.8 | 93.8 |

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AIR AREA OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP HOURS: 09-11

VISIBILITY IN STATUTE MILES

| GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.1 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.2 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.2 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.2 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"
 USAF-TAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHIL
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
 LST TIME: + 6

DATE: 10
 MONTH: 5

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|-------|-------|-------|-------|
| | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
| NO CHIL | 59.2 | 59.4 | 59.1 | 59.9 | 59.2 | 59.2 | 59.9 | 59.9 | 59.2 | 59.2 |
| GE 20000 | 57.1 | 57.1 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 18000 | 57.2 | 57.5 | 57.7 | 57.5 | 57.3 | 57.3 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 16000 | 57.2 | 57.6 | 70.2 | 70.3 | 70.3 | 70.3 | 70.5 | 70.3 | 70.3 | 70.3 |
| GE 14000 | 58.2 | 70.2 | 70.9 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 12000 | 59.5 | 72.5 | 72.7 | 72.5 | 72.5 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 |
| GE 10000 | 74.3 | 77.1 | 77.1 | 77.3 | 77.5 | 77.9 | 77.9 | 77.3 | 77.3 | 77.3 |
| GE 8000 | 74.3 | 77.5 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 6000 | 77.1 | 79.3 | 80.2 | 80.5 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 4000 | 77.2 | 80.4 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 2000 | 81.9 | 81.9 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 1000 | 83.1 | 83.7 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 4500 | 83.3 | 83.8 | 83.5 | 83.9 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 4000 | 83.3 | 85.4 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 3500 | 84.5 | 87.1 | 87.9 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 3000 | 88.4 | 89.5 | 89.5 | 89.9 | 89.3 | 89.9 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 2500 | 91.7 | 91.7 | 92.3 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 2000 | 90.5 | 93.4 | 94.3 | 95.0 | 95.3 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 1800 | 90.5 | 94.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 1500 | 91.5 | 94.2 | 95.2 | 95.5 | 95.5 | 95.5 | 95.7 | 95.5 | 95.5 | 95.5 |
| GE 1200 | 91.5 | 94.5 | 95.1 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 1000 | 92.2 | 95.5 | 95.5 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 900 | 92.3 | 95.5 | 95.3 | 97.2 | 97.2 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 800 | 92.0 | 95.5 | 97.7 | 98.1 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 700 | 93.4 | 97.1 | 98.2 | 98.7 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 600 | 93.7 | 97.4 | 98.5 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 93.8 | 97.5 | 98.7 | 99.2 | 99.2 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 94.0 | 97.3 | 99.0 | 99.5 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 94.0 | 97.5 | 99.0 | 99.5 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 94.0 | 97.8 | 99.1 | 99.5 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 94.0 | 97.8 | 99.2 | 99.5 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 94.0 | 97.3 | 99.0 | 99.5 | 99.5 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 990

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WFO

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: 12-14

| | | | | | | | | | | |
|--------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| CEILING IN STATUTE MILES | | | | | | | | | | |
| 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| | | | | | | | | | | |
| 60.0 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 60.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 60.7 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 60.1 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 70.2 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 70.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 70.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 80.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 80.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 80.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 80.2 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 80.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 80.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 80.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 90.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 90.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 90.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 90.5 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 90.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 90.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 90.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 90.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 90.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 90.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 90.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 100.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | | | | | | | | | | |

OPERATING LOCATION "A"
USARFAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB, MO
EST TO UTC: + 6

24213
ATMOS:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|------|------|------|
| | 1/8 | 1/4 | 1/2 | 3/4 | 1 | 2 1/2 | 3 | 4 | 5 | 6 |
| 0-1000 | 81.3 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GF 20000 | 74.3 | 74.1 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GF 18000 | 74.2 | 74.4 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GF 16000 | 73.7 | 74.4 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| GF 14000 | 73.3 | 74.3 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GF 12000 | 73.2 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| GF 10000 | 73.3 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GF 8000 | 71.1 | 81.3 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GF 6000 | 82.1 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GF 4000 | 83.3 | 84.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GF 2000 | 84.3 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GF 1000 | 86.1 | 87.5 | 88.2 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GF 4000 | 88.5 | 89.5 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GF 4000 | 89.3 | 91.3 | 91.4 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GF 3000 | 92.0 | 91.5 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GF 3000 | 91.7 | 93.7 | 94.3 | 94.7 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GF 2000 | 93.3 | 94.0 | 95.4 | 95.3 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GF 2000 | 93.3 | 93.3 | 95.0 | 95.5 | 95.7 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GF 1800 | 93.3 | 93.3 | 96.0 | 96.3 | 95.7 | 95.8 | 95.5 | 95.5 | 95.5 | 95.5 |
| GF 1500 | 93.3 | 95.3 | 96.4 | 96.4 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 |
| GF 1200 | 94.3 | 95.6 | 97.4 | 97.9 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| GF 1000 | 94.7 | 97.0 | 97.9 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GF 800 | 94.3 | 97.1 | 98.1 | 98.7 | 98.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| GF 600 | 94.7 | 97.2 | 98.2 | 98.3 | 98.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| GF 700 | 95.1 | 97.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| GF 500 | 95.3 | 97.7 | 98.7 | 99.2 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GF 500 | 95.3 | 97.7 | 98.7 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 400 | 95.3 | 97.7 | 98.7 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 300 | 95.3 | 97.7 | 98.7 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 200 | 95.3 | 97.7 | 98.7 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GF 100 | 95.3 | 97.7 | 98.7 | 99.2 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 900

25. 14

MONTH: SEP HOURS: 15-17

[illegible]

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM WINDLY DISTRIBUTION

STATION NUMBER: 703443

STATION NAME: FINKER AF B
LST TO UTC: + 6

WIND
WIND

CHILLING

VISIBILITY IN STATUTE MILES

| FEET | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
|--------------------------------------------------------------|------|------|------|------|------|-------|------|-------|-------|----|
| NO CHIL | 67.4 | 68.4 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67 |
| 67 20000 | 75.7 | 75.2 | 75.5 | 75.2 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75 |
| 67 18000 | 75.9 | 75.6 | 75.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77 |
| 67 16000 | 75.2 | 75.6 | 75.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77 |
| 67 14000 | 75.0 | 75.5 | 75.2 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77 |
| 67 12000 | 77.5 | 77.1 | 75.5 | 75.3 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75 |
| 67 10000 | 61.7 | 62.7 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63 |
| 67 8000 | 61.7 | 62.7 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63 |
| 67 6000 | 64.2 | 64.1 | 63.3 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65 |
| 67 4000 | 67.3 | 67.4 | 67.3 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67 |
| 67 2000 | 67.3 | 67.4 | 67.3 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67 |
| 67 1000 | 67.4 | 67.2 | 67.1 | 67.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69 |
| 67 800 | 67.7 | 67.1 | 67.0 | 67.2 | 69.7 | 69.3 | 69.3 | 69.3 | 69.3 | 69 |
| 67 600 | 67.2 | 67.2 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63 |
| 67 400 | 69.1 | 62.7 | 63.0 | 64.0 | 64.3 | 64.1 | 64.1 | 64.1 | 64.1 | 64 |
| 67 200 | 61.9 | 63.0 | 62.0 | 62.5 | 65.5 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 100 | 62.5 | 64.4 | 63.7 | 64.5 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65 |
| 67 50 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 25 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 10 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 5 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 2 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 1 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.5 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.25 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.03125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.015625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0078125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00390625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.001953125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0009765625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00048828125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000244140625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0001220703125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00006103515625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000030517578125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000152587890625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000762939453125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000003814697265625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000019073486328125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000095367431640625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000476837158203125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000002384185791015625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000011920928955078125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000059604644775390625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000298023223876953125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000001490116119384765625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000007450580596923828125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000037252902984619140625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000186264514923095703125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000931322574615478515625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000004656612873077392578125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000023283064365386962890625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000116415321826934814453125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000582076609134674072265625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000002910383045673370361328125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000014551915228366851806640625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000072759576141834259033203125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000363797880709171295166015625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000001818989403545856475830078125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000009094947017729282379150390625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000045474735088646411895751953125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000227373675443232059478759765625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000001136868377216160297393798828125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000005684341886080801486968994140625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000028421709430404007434844970703125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000000142108547152020037174224883515625 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000000710542735760100185871124417578125 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000003552713678800500929355622089375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000000017763568394002504646778110446875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000000088817841970012523223890552234375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000000044408920985006261611945276171875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000000002220446049250313080597263809375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000000011102230246251565402986319046875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000000055511151231257827014931595234375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000000027755575615628913507465797619375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000000013877787807814456753732898809375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000000000069388939039072283768664494046875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000000000346944695195361418843322470234375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000000001734723475976807094216612351171875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000000000008673617379884035471083306255859375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.00000000000000000043368086899420177354166531279296875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.000000000000000000216840434497100886770832656396484375 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65 |
| 67 0.0000000000000000001084202172485504433854163281982421875 | 63.2 | 64.3 | 64.2 | 64.4 | 65.7 | 65.7 | 65.7 | 65.7 | | |

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

14-18 APR 54

PERIOD OF RECORD: MAR 79 - FEB 59
MONTH: SEP HOURS: 18-20

VISIBILITY IN STATUTE MILES

| GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 97.5 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 97.2 | 97.2 | 97.2 | 97.2 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF 5
SEMI-DAILY OBSERVATIONS

10-17-68

10-17-68

[illegible]

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
- BASED UPON OBSERVATIONS

| | | | | | | | | | |
|-----------------------------------|-------|-------|------|------|------|------|------|------|-------|
| PERIOD OF RECORD: MAR 79 - FEB 80 | | | | | | | | | |
| MONTH: SEP HOURS: 21-23 | | | | | | | | | |
| | | | | | | | | | |
| CEILING IN STATUTE MILES | | | | | | | | | |
| GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| 1 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0 |
| | | | | | | | | | |
| 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| | | | | | | | | | |
| 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| | | | | | | | | | |
| 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| | | | | | | | | | |
| 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| | | | | | | | | | |
| 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| | | | | | | | | | |
| 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| | | | | | | | | | |
| 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C-
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB MO
LST TO UTC: + 6

PERIOD:
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|--------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | 30
2 | 3
4 | 35
5 | 38
4 | 38
3 | 38
2 1/2 | 38
2 | 38
1 1/2 | 38
1 1/4 | 38
1 |
| NO CEIL | 54.1 | 55.4 | 55.9 | 55.2 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| 35 20000 | 70.7 | 72.2 | 72.5 | 73.0 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 35 18000 | 71.3 | 72.4 | 73.0 | 73.2 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| 35 16000 | 71.3 | 72.5 | 73.1 | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.7 |
| 35 14000 | 71.4 | 72.5 | 73.5 | 73.4 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 35 12000 | 72.3 | 74.5 | 75.1 | 75.4 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 35 10000 | 77.1 | 78.3 | 79.7 | 79.9 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 35 8000 | 77.4 | 79.3 | 80.1 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 35 6000 | 78.2 | 81.2 | 82.7 | 83.0 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 35 4000 | 82.5 | 83.3 | 83.3 | 84.1 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 35 2000 | 81.4 | 82.5 | 84.4 | 84.7 | 85.3 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 35 5000 | 82.3 | 84.5 | 85.5 | 85.3 | 85.5 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 35 4500 | 83.2 | 85.2 | 85.1 | 85.5 | 85.2 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 35 4000 | 87.5 | 87.2 | 88.1 | 89.5 | 89.4 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 35 3500 | 89.4 | 89.5 | 89.5 | 89.1 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 35 3000 | 89.5 | 89.5 | 89.5 | 89.2 | 89.5 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 35 2500 | 87.1 | 87.4 | 88.3 | 88.3 | 88.2 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 35 2000 | 87.1 | 88.2 | 88.5 | 88.2 | 88.6 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 35 1800 | 87.7 | 88.4 | 88.7 | 88.3 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 35 1600 | 88.0 | 88.5 | 88.8 | 88.7 | 88.1 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 |
| 35 1400 | 88.5 | 88.2 | 88.5 | 88.5 | 88.0 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 |
| 35 1000 | 88.0 | 88.2 | 88.5 | 88.3 | 88.3 | 88.0 | 88.1 | 88.1 | 88.1 | 88.2 |
| 35 700 | 87.1 | 88.3 | 88.2 | 88.7 | 88.2 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 |
| 35 500 | 88.5 | 88.7 | 88.4 | 88.3 | 88.7 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 |
| 35 300 | 88.7 | 88.9 | 88.7 | 88.5 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 |
| 35 200 | 88.5 | 88.1 | 88.9 | 88.9 | 87.5 | 87.8 | 87.7 | 88.0 | 88.0 | 88.0 |
| 35 100 | 88.1 | 88.4 | 88.4 | 87.4 | 88.2 | 88.3 | 88.0 | 88.7 | 88.7 | 88.7 |
| 35 500 | 88.2 | 88.6 | 88.5 | 87.5 | 88.4 | 88.5 | 88.0 | 88.0 | 88.0 | 88.1 |
| 35 400 | 88.2 | 88.6 | 88.7 | 87.3 | 88.6 | 88.2 | 88.2 | 88.2 | 88.3 | 88.4 |
| 35 300 | 88.4 | 88.7 | 88.7 | 87.5 | 88.5 | 88.0 | 88.3 | 88.5 | 88.5 | 88.7 |
| 35 200 | 88.4 | 88.7 | 88.7 | 87.8 | 88.3 | 88.0 | 88.4 | 88.5 | 88.5 | 88.7 |
| 35 100 | 88.4 | 88.7 | 88.7 | 87.3 | 88.3 | 88.0 | 88.4 | 88.5 | 88.5 | 88.7 |

TOTAL NUMBER OF OBSERVATIONS 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP HOURS: ALL

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/5 | GE
1/4 | GE
0 |
| 66.4 | 66.4 | 65.4 | 66.4 | 66.4 | 66.4 | 65.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 |
| 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 |
| 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 | 80.7 |
| 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 |
| 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 |
| 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 |
| 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 |
| 97.8 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| 98.7 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

OPERATING LOCATION NAME
USAF TAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HIJLY OBSERVATIONS

STATION NUMBER: 723643

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

.....
CEILING

.....
VISIBILITY IN STATUTE MILES

| IN
FEET | 17
7 | 54
5 | 61
5 | 66
4 | 66
3 | 66
2 1/2 | 67
2 | 67
1 1/2 | 67
1 1/4 | 68
1 |
|------------|---------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| NO CEIL | 61.6 | 61.6 | 62.2 | 62.4 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| SE 2000 | 66.1 | 66.3 | 66.7 | 66.9 | 67.0 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 |
| SE 1800 | 66.1 | 66.3 | 66.7 | 66.9 | 67.0 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 |
| SE 1600 | 66.1 | 66.3 | 66.7 | 66.9 | 67.0 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 |
| SE 1400 | 66.5 | 66.7 | 67.0 | 67.2 | 67.3 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 |
| SE 1200 | 67.7 | 68.3 | 68.3 | 68.6 | 68.6 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 |
| SE 1000 | 68.6 | 68.6 | 69.1 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| SE 900 | 68.6 | 68.6 | 69.1 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| SE 800 | 71.7 | 71.4 | 71.9 | 72.2 | 72.3 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 |
| SE 700 | 71.7 | 72.0 | 72.5 | 72.8 | 72.9 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 |
| SE 600 | 72.4 | 72.6 | 73.1 | 73.3 | 73.4 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 |
| SE 500 | 73.6 | 73.2 | 73.3 | 74.0 | 74.1 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 |
| SE 400 | 74.1 | 74.4 | 74.9 | 75.2 | 75.3 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 |
| SE 300 | 76.7 | 77.3 | 78.0 | 78.5 | 78.4 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 |
| SE 250 | 77.2 | 77.5 | 78.5 | 78.9 | 79.0 | 79.1 | 79.4 | 79.4 | 79.4 | 79.4 |
| SE 200 | 78.3 | 78.9 | 79.7 | 80.1 | 80.2 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 |
| SE 150 | 81.6 | 82.2 | 81.9 | 81.5 | 81.9 | 82.0 | 82.3 | 82.4 | 82.4 | 82.4 |
| SE 100 | 81.2 | 81.7 | 82.6 | 83.1 | 83.7 | 83.6 | 84.0 | 84.1 | 84.1 | 84.1 |
| SE 80 | 81.6 | 82.4 | 83.1 | 83.6 | 84.3 | 84.4 | 84.5 | 84.8 | 84.5 | 84.5 |
| SE 60 | 81.9 | 82.7 | 83.4 | 84.1 | 84.6 | 84.7 | 84.9 | 85.2 | 85.2 | 85.3 |
| SE 40 | 83.4 | 84.5 | 85.4 | 86.0 | 86.6 | 86.7 | 87.0 | 87.2 | 87.2 | 87.3 |
| SE 30 | 84.6 | 85.5 | 86.3 | 87.7 | 88.4 | 88.5 | 88.8 | 89.0 | 89.0 | 89.1 |
| SE 20 | 84.6 | 85.7 | 86.9 | 87.8 | 88.5 | 88.6 | 88.9 | 89.1 | 89.1 | 89.2 |
| SE 10 | 84.7 | 85.9 | 87.2 | 88.3 | 88.9 | 89.0 | 89.5 | 89.5 | 89.5 | 89.9 |
| SE 5 | 84.6 | 86.2 | 88.0 | 89.0 | 89.0 | 89.1 | 89.3 | 89.6 | 89.6 | 89.6 |
| SE 0 | 84.6 | 86.2 | 88.1 | 89.1 | 89.3 | 89.9 | 91.3 | 92.0 | 92.0 | 92.2 |
| SE 500 | 87.2 | 87.0 | 89.4 | 90.4 | 92.2 | 92.3 | 93.4 | 93.7 | 93.7 | 93.9 |
| SE 400 | 85.2 | 87.1 | 89.9 | 91.3 | 93.2 | 93.3 | 94.5 | 94.8 | 94.8 | 95.1 |
| SE 300 | 85.2 | 87.1 | 90.2 | 91.7 | 94.1 | 94.3 | 95.7 | 95.9 | 95.9 | 96.1 |
| SE 200 | 85.2 | 87.1 | 90.4 | 91.9 | 94.3 | 94.5 | 95.0 | 95.3 | 95.3 | 95.7 |
| SE 100 | 85.2 | 87.1 | 90.4 | 91.9 | 94.3 | 94.5 | 95.0 | 95.3 | 95.3 | 95.7 |
| SE 50 | 85.2 | 87.1 | 90.4 | 91.9 | 94.3 | 94.5 | 95.0 | 95.3 | 95.3 | 95.7 |

.....
TOTAL NUMBER OF OBSERVATIONS 930

BY OF OCCURRENCE OF CEILING VERSUS VISIBILITY 4000 FT. OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: OCT HOURS: 00-02

STATUTE MILES

| GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 62.3 | 62.8 | 62.5 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 67.6 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 73.2 | 73.2 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 73.3 | 73.3 | 73.3 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 85.2 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 87.2 | 87.2 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 89.0 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 89.1 | 89.1 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 91.0 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 92.0 | 92.0 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 93.7 | 93.7 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 |
| 94.8 | 94.8 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 |
| 95.9 | 95.9 | 96.1 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.9 |
| 96.3 | 96.3 | 96.7 | 97.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.7 |
| 96.3 | 96.3 | 96.7 | 97.3 | 97.3 | 98.1 | 98.1 | 98.3 | 98.7 |
| 98.3 | 98.3 | 98.7 | 97.3 | 97.3 | 98.2 | 98.2 | 98.4 | 100.0 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 59.2 | 59.0 | 59.3 | 59.8 | 59.9 | 61.0 | 61.2 | 61.2 | 61.2 | 61.3 |
| GE 20000 | 61.7 | 62.5 | 62.3 | 63.2 | 63.3 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 18000 | 61.7 | 62.5 | 62.3 | 63.2 | 63.3 | 63.4 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 16000 | 61.7 | 62.7 | 63.0 | 63.4 | 63.5 | 63.7 | 63.9 | 63.9 | 64.2 | 64.2 |
| GE 14000 | 62.3 | 63.2 | 63.3 | 63.5 | 63.9 | 64.0 | 64.2 | 64.2 | 64.2 | 64.3 |
| GE 12000 | 62.7 | 63.4 | 63.5 | 64.2 | 64.3 | 64.4 | 64.5 | 64.5 | 64.5 | 64.7 |
| GE 10000 | 65.2 | 65.9 | 66.2 | 66.7 | 66.8 | 66.9 | 67.1 | 67.1 | 67.1 | 67.2 |
| GE 9000 | 67.4 | 68.1 | 68.5 | 68.9 | 67.0 | 67.1 | 67.3 | 67.3 | 67.3 | 67.4 |
| GE 8000 | 67.1 | 67.8 | 68.2 | 68.5 | 68.7 | 68.8 | 69.0 | 69.0 | 69.0 | 69.1 |
| GE 7000 | 67.7 | 68.5 | 68.7 | 69.2 | 69.4 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 6000 | 68.2 | 68.9 | 69.2 | 69.7 | 69.8 | 69.9 | 70.1 | 70.1 | 70.1 | 70.2 |
| GE 5000 | 69.7 | 70.5 | 71.0 | 71.5 | 71.5 | 71.7 | 71.9 | 71.9 | 71.9 | 72.0 |
| GE 4500 | 71.3 | 71.7 | 72.0 | 72.5 | 72.7 | 72.8 | 73.0 | 73.0 | 73.0 | 73.1 |
| GE 4000 | 73.3 | 74.3 | 74.7 | 75.3 | 75.4 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 |
| GE 3500 | 73.4 | 74.4 | 74.7 | 75.4 | 75.5 | 75.6 | 75.8 | 75.8 | 75.8 | 75.9 |
| GE 3000 | 74.1 | 75.3 | 75.7 | 76.2 | 76.3 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 2500 | 75.1 | 76.5 | 77.2 | 78.2 | 78.3 | 78.4 | 78.6 | 78.6 | 78.6 | 78.7 |
| GE 2000 | 77.2 | 78.7 | 79.5 | 80.4 | 80.5 | 80.5 | 80.8 | 80.9 | 80.9 | 81.0 |
| GE 1800 | 77.5 | 79.2 | 80.0 | 81.1 | 81.2 | 81.3 | 81.5 | 81.5 | 81.5 | 81.6 |
| GE 1500 | 79.2 | 80.6 | 81.4 | 82.5 | 82.7 | 82.8 | 83.0 | 83.0 | 83.0 | 83.1 |
| GE 1200 | 80.1 | 81.6 | 82.4 | 83.5 | 83.7 | 83.8 | 84.0 | 84.0 | 84.0 | 84.1 |
| GE 1000 | 80.5 | 82.2 | 83.2 | 84.7 | 84.8 | 84.9 | 85.2 | 85.2 | 85.2 | 85.3 |
| GE 900 | 80.4 | 82.4 | 83.4 | 84.9 | 85.1 | 85.2 | 85.4 | 85.4 | 85.4 | 85.5 |
| GE 800 | 81.3 | 83.4 | 84.5 | 86.1 | 86.5 | 86.6 | 86.8 | 86.8 | 86.8 | 86.9 |
| GE 700 | 81.5 | 83.5 | 84.6 | 86.5 | 86.7 | 87.0 | 87.3 | 87.3 | 87.3 | 87.4 |
| GE 600 | 81.3 | 83.9 | 85.6 | 87.4 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 |
| GE 500 | 82.5 | 85.2 | 87.3 | 89.5 | 90.5 | 90.9 | 91.6 | 91.6 | 91.6 | 91.7 |
| GE 400 | 82.5 | 85.3 | 87.7 | 90.2 | 91.3 | 92.2 | 93.2 | 93.3 | 93.3 | 93.9 |
| GE 300 | 82.3 | 85.6 | 88.4 | 90.9 | 92.7 | 93.1 | 94.4 | 95.2 | 95.2 | 95.7 |
| GE 200 | 82.3 | 85.6 | 88.4 | 91.0 | 92.8 | 93.3 | 95.1 | 95.9 | 95.9 | 96.7 |
| GE 100 | 82.3 | 85.6 | 88.4 | 91.0 | 92.3 | 93.3 | 95.4 | 96.3 | 96.3 | 97.1 |
| GE 000 | 82.8 | 85.6 | 88.4 | 91.0 | 92.8 | 93.3 | 95.4 | 96.3 | 96.3 | 97.1 |

TOTAL NUMBER OF OBSERVATIONS 930

THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE TAHOE

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT HOURS: 03-05

..... VISIBILITY IN STATUTE MILES

| GE
1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 61.0 | 61.2 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.4 | 61.5 | 61.5 |
| 63.4 | 63.7 | 63.7 | 63.7 | 63.8 | 63.9 | 63.9 | 63.9 | 64.0 | 64.1 | 64.1 |
| 63.4 | 63.7 | 63.7 | 63.7 | 63.8 | 63.9 | 63.9 | 63.9 | 64.0 | 64.1 | 64.1 |
| 63.7 | 63.9 | 63.9 | 63.9 | 64.0 | 64.1 | 64.1 | 64.1 | 64.2 | 64.3 | 64.3 |
| 64.0 | 64.2 | 64.2 | 64.2 | 64.3 | 64.4 | 64.4 | 64.4 | 64.5 | 64.6 | 64.6 |
| 64.4 | 64.5 | 64.5 | 64.5 | 64.7 | 64.8 | 64.8 | 64.8 | 64.9 | 65.1 | 65.1 |
| 66.9 | 67.1 | 67.1 | 67.1 | 67.2 | 67.3 | 67.3 | 67.3 | 67.4 | 67.5 | 67.5 |
| 67.1 | 67.3 | 67.3 | 67.3 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 |
| 69.0 | 69.0 | 69.0 | 69.0 | 69.1 | 69.2 | 69.2 | 69.2 | 69.4 | 69.5 | 69.5 |
| 69.5 | 69.7 | 69.7 | 69.7 | 69.8 | 69.9 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 |
| 70.0 | 70.1 | 70.1 | 70.1 | 70.2 | 70.3 | 70.3 | 70.3 | 70.4 | 70.5 | 70.5 |
| 71.7 | 71.9 | 71.9 | 71.9 | 72.0 | 72.2 | 72.2 | 72.2 | 72.3 | 72.4 | 72.4 |
| 72.5 | 73.0 | 73.0 | 73.0 | 73.1 | 73.2 | 73.2 | 73.2 | 73.3 | 73.4 | 73.4 |
| 75.5 | 75.7 | 75.7 | 75.7 | 75.8 | 75.9 | 75.9 | 75.9 | 76.0 | 76.1 | 76.1 |
| 75.6 | 75.8 | 75.8 | 75.8 | 75.9 | 76.0 | 76.0 | 76.0 | 76.1 | 76.2 | 76.2 |
| 76.5 | 76.7 | 76.7 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 77.0 | 77.1 | 77.1 |
| 78.4 | 78.6 | 78.6 | 78.6 | 78.7 | 78.8 | 78.8 | 78.8 | 78.9 | 79.0 | 79.0 |
| 80.5 | 80.9 | 80.9 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.3 | 81.3 |
| 81.3 | 81.5 | 81.5 | 81.5 | 81.6 | 81.7 | 81.7 | 81.7 | 81.8 | 81.9 | 81.9 |
| 82.3 | 83.0 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.3 | 83.4 | 83.4 |
| 83.7 | 84.0 | 84.0 | 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.3 | 84.4 | 84.4 |
| 86.0 | 86.2 | 86.2 | 86.2 | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 |
| 86.2 | 86.4 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.7 | 86.8 | 86.8 |
| 86.5 | 86.8 | 86.8 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 | 87.2 | 87.2 |
| 87.0 | 87.3 | 87.3 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.6 | 87.7 | 87.7 |
| 88.7 | 88.8 | 88.8 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.2 | 89.2 |
| 90.0 | 91.5 | 91.6 | 91.6 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.2 | 92.2 |
| 92.2 | 93.2 | 93.3 | 93.3 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.2 | 94.2 |
| 93.1 | 94.4 | 95.2 | 95.2 | 95.7 | 96.0 | 96.0 | 96.0 | 96.1 | 96.2 | 96.3 |
| 93.3 | 95.1 | 95.9 | 95.9 | 96.7 | 97.4 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 |
| 93.3 | 95.4 | 96.3 | 96.3 | 97.1 | 98.0 | 98.0 | 98.1 | 98.5 | 98.8 | 99.0 |
| 93.3 | 95.4 | 96.3 | 96.3 | 97.1 | 98.0 | 98.0 | 98.1 | 98.5 | 99.0 | 100.0 |

OPERATING LOCATION "A"
USAFHAF, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 723643

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

912
MON

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|----|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE |
| NO CEIL | 68.0 | 68.4 | 68.9 | 69.3 | 61.1 | 61.5 | 61.7 | 61.7 | 61.7 | 62 |
| GE 20000 | 62.8 | 63.3 | 64.0 | 64.7 | 65.5 | 66.0 | 66.1 | 66.1 | 66.2 | 66 |
| GE 18000 | 63.0 | 63.4 | 64.1 | 64.3 | 65.6 | 66.0 | 66.2 | 66.2 | 66.3 | 66 |
| GE 16000 | 63.0 | 63.4 | 64.1 | 64.3 | 65.6 | 66.0 | 66.2 | 66.2 | 66.3 | 66 |
| GE 14000 | 63.1 | 63.5 | 64.2 | 64.9 | 65.7 | 66.1 | 66.3 | 66.3 | 66.5 | 66 |
| GE 12000 | 64.4 | 64.7 | 65.5 | 66.2 | 67.0 | 67.4 | 67.6 | 67.6 | 67.7 | 67 |
| GE 10000 | 67.4 | 67.7 | 68.5 | 69.2 | 69.9 | 69.4 | 69.5 | 69.6 | 69.7 | 69 |
| GE 9000 | 67.7 | 68.3 | 68.9 | 69.7 | 69.4 | 69.9 | 69.1 | 69.1 | 69.2 | 69 |
| GE 8000 | 61.3 | 62.7 | 63.3 | 64.1 | 64.8 | 65.3 | 65.5 | 65.5 | 65.6 | 65 |
| GE 7000 | 63.0 | 63.7 | 64.4 | 65.2 | 65.9 | 66.3 | 66.7 | 66.7 | 66.8 | 67 |
| GE 6000 | 63.5 | 64.3 | 64.7 | 65.7 | 65.6 | 66.9 | 67.2 | 67.2 | 67.3 | 67 |
| GE 5000 | 66.1 | 66.7 | 66.6 | 67.3 | 68.1 | 68.6 | 68.7 | 68.7 | 68.7 | 68 |
| GE 4500 | 67.1 | 67.6 | 67.7 | 68.2 | 69.2 | 69.7 | 70.0 | 70.0 | 70.1 | 70 |
| GE 4000 | 67.3 | 67.9 | 68.7 | 70.4 | 71.3 | 71.7 | 72.0 | 72.0 | 72.2 | 72 |
| GE 3500 | 68.4 | 69.3 | 70.2 | 71.3 | 71.3 | 72.3 | 72.6 | 72.6 | 72.7 | 72 |
| GE 3000 | 69.4 | 70.5 | 71.4 | 72.2 | 73.0 | 73.4 | 73.6 | 73.6 | 73.9 | 74 |
| GE 2500 | 70.3 | 71.4 | 72.3 | 73.0 | 73.3 | 74.4 | 74.3 | 74.3 | 75.1 | 75 |
| GE 2000 | 71.2 | 72.6 | 73.9 | 74.7 | 75.6 | 75.1 | 75.7 | 75.7 | 75.8 | 76 |
| GE 1800 | 71.4 | 73.2 | 74.6 | 75.5 | 75.3 | 76.3 | 77.4 | 77.4 | 77.7 | 77 |
| GE 1600 | 73.3 | 74.7 | 75.2 | 77.1 | 75.0 | 75.5 | 77.1 | 77.1 | 77.2 | 77 |
| GE 1200 | 74.0 | 75.7 | 78.3 | 79.2 | 80.2 | 80.5 | 81.5 | 81.5 | 81.5 | 81 |
| GE 1000 | 78.5 | 77.3 | 79.1 | 80.1 | 81.2 | 81.7 | 82.5 | 82.5 | 82.5 | 82 |
| GE 800 | 78.9 | 77.7 | 79.7 | 80.6 | 81.5 | 82.4 | 83.2 | 83.2 | 83.3 | 83 |
| GE 700 | 78.6 | 78.4 | 80.4 | 81.4 | 82.7 | 83.2 | 84.1 | 84.1 | 84.2 | 84 |
| GE 600 | 77.1 | 79.0 | 81.4 | 82.5 | 83.9 | 84.4 | 85.3 | 85.3 | 85.4 | 85 |
| GE 500 | 77.3 | 79.5 | 82.3 | 83.7 | 85.2 | 85.8 | 86.8 | 86.8 | 87.0 | 87 |
| GE 400 | 77.7 | 80.1 | 83.8 | 85.7 | 83.2 | 83.8 | 90.4 | 90.4 | 90.6 | 91 |
| GE 300 | 78.0 | 80.3 | 84.2 | 85.5 | 89.2 | 90.2 | 92.7 | 93.1 | 93.4 | 93 |
| GE 200 | 78.2 | 80.3 | 84.3 | 85.3 | 90.1 | 91.4 | 94.2 | 95.2 | 95.5 | 96 |
| GE 100 | 78.0 | 80.3 | 84.3 | 85.3 | 90.2 | 91.5 | 94.5 | 95.7 | 95.1 | 97 |
| GE 000 | 78.0 | 80.3 | 84.3 | 85.3 | 90.2 | 91.5 | 94.7 | 95.9 | 96.3 | 97 |

TOTAL NUMBER OF OBSERVATIONS 930

10

MONTH: OCT HOURS: 06-08

2 - 2 - 34

OPERATING LOCATION NAME
JGARFIELD, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 323540

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

PERIOD
1951

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 51.3 | 51.3 | 51.3 | 52.0 | 52.0 | 52.0 | 52.2 | 52.2 | 52.2 | 52.0 |
| GE 20000 | 57.1 | 57.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.0 |
| GE 18000 | 57.1 | 57.2 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 16000 | 57.4 | 58.2 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 14000 | 58.0 | 58.7 | 58.9 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 |
| GE 12000 | 58.0 | 58.7 | 58.9 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.1 |
| GE 10000 | 58.7 | 58.7 | 58.5 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 9000 | 58.7 | 58.7 | 58.3 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 |
| GE 8000 | 58.7 | 57.1 | 57.3 | 57.3 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| GE 7000 | 57.1 | 58.1 | 58.2 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 6000 | 58.2 | 58.5 | 58.2 | 58.0 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 5000 | 58.7 | 71.5 | 71.3 | 71.1 | 71.1 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 4500 | 71.5 | 71.4 | 71.7 | 71.9 | 71.9 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 4000 | 71.2 | 73.2 | 73.3 | 74.2 | 74.3 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 3500 | 72.5 | 73.7 | 74.5 | 74.5 | 74.7 | 74.8 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 3000 | 72.7 | 74.3 | 74.5 | 74.3 | 75.1 | 75.2 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 2500 | 74.2 | 75.6 | 75.5 | 75.3 | 75.9 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 2000 | 75.0 | 77.3 | 77.2 | 78.7 | 77.9 | 80.1 | 80.5 | 80.6 | 80.5 | 80.5 |
| GE 1800 | 77.0 | 77.4 | 78.3 | 79.3 | 81.0 | 81.2 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 1600 | 77.2 | 81.0 | 82.3 | 83.1 | 83.4 | 83.7 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 1400 | 81.1 | 83.1 | 85.4 | 85.4 | 85.7 | 85.9 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 1200 | 81.7 | 85.9 | 85.3 | 85.2 | 85.6 | 85.3 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1000 | 82.4 | 84.4 | 85.1 | 87.1 | 87.5 | 87.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 900 | 83.2 | 85.6 | 87.4 | 88.5 | 89.5 | 89.7 | 90.3 | 90.3 | 90.3 | 90.4 |
| GE 800 | 83.5 | 85.3 | 87.5 | 89.1 | 90.2 | 90.4 | 91.2 | 91.2 | 91.2 | 91.3 |
| GE 600 | 84.3 | 86.3 | 88.5 | 90.2 | 91.5 | 91.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 500 | 84.4 | 87.2 | 89.2 | 91.4 | 93.1 | 93.4 | 94.5 | 94.5 | 94.5 | 95.1 |
| GE 400 | 84.5 | 87.5 | 89.5 | 92.2 | 94.1 | 94.3 | 95.3 | 95.5 | 95.5 | 95.8 |
| GE 300 | 84.5 | 87.7 | 91.0 | 92.8 | 94.9 | 95.4 | 97.7 | 98.0 | 98.0 | 98.4 |
| GE 200 | 84.5 | 87.7 | 91.0 | 92.2 | 95.1 | 95.9 | 98.1 | 98.3 | 98.3 | 98.4 |
| GE 100 | 84.5 | 87.7 | 91.7 | 92.3 | 95.1 | 95.9 | 98.1 | 98.3 | 98.4 | 98.4 |
| GE 000 | 84.5 | 87.7 | 91.0 | 92.3 | 95.1 | 95.9 | 95.1 | 98.3 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 09-11

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| 62.0 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 63.0 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 64.0 | 64.5 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| 65.0 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 66.0 | 66.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 67.0 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 68.0 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| 69.0 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 70.0 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 71.0 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 72.0 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 73.0 | 73.1 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 74.0 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 75.0 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 76.0 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 77.0 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 78.0 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 79.0 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 82.0 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100.0 | 100.1 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 | 100.2 |

OPERATING LOCATION "A"
USAFSTAG, ANCHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CL
FROM 10-DAY OBSERVATIONS

STATION NUMBER: 713840

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

PERIOD:
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
| 50 0-10 | 83.2 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 50 10-20 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 50 20-30 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 50 30-40 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 50 40-50 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 50 50-60 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 50 60-70 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 50 70-80 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 50 80-90 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 90-100 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 100-120 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 120-140 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 140-160 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 160-180 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 180-200 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 200-220 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 220-240 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 240-260 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 260-280 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 280-300 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 300-320 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 320-340 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 340-360 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 360-380 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 380-400 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 400-420 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 420-440 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 440-460 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 460-480 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 480-500 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 500-520 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 520-540 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 540-560 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 560-580 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 580-600 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 600-620 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 620-640 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 640-660 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 660-680 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 680-700 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 700-720 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 720-740 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 740-760 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 760-780 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 780-800 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 800-820 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 820-840 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 840-860 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 860-880 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 880-900 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 900-920 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 920-940 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 940-960 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 960-980 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 50 980-1000 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: AFB, TX

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: OCT HOURS: 12-14

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------------|------|------|-------|-------|------|------|------|------|------|------|-------|
| | 0 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| | 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/4 | 1/4 | 0 |
| 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |
| 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |

PERCENTAGE EFFICIENCY IN RECOVERY OF
FROM JULY 1955-1956

STATION NAME: TUNED AT 14
LIST IN UTC: + 6

10

VISIBILITY IN STATAL FILES

| Year | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
|---------|------|------|------|------|------|-------|------|-------|-------|------|
| Grain T | 2 | 3 | 3 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |

[illegible]

TOTAL NUMBER OF INNOVATIONS 932

KEY OF OCCURRENCE OF CEILING VERSUS VISIBILITY IN AIRCRAFT OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: OCT HOURS: 15-17

| | | | | | | | | | |
|----------------|-------|------|------|------|------|------|------|------|-------|
| STATION: MILES | | | | | | | | | |
| 0 | SE | SE | SE | SE | SE | SE | SE | SE | SE |
| 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | 0 | 0 |
| | | | | | | | | | |
| 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.9 |
| 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.2 |
| 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.2 |
| 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.2 |
| 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.6 |
| 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.5 |
| 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.5 |
| 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.2 |
| 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.2 |
| 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.2 |
| 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.3 |
| 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.9 |
| 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 |
| 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 |
| 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |
| 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 100.0 |
| | | | | | | | | | |

OPERATING LOCATION: "WAM"
USARHAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM VISUAL OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER ARB OK
LST TO UTC: + 6

PERIOD:
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | 50
7 | 50
4 | 50
5 | 50
4 | 50
3 | 60
2 1/2 | 60
2 | 60
1 1/2 | 60
1 1/4 | 60
1 |
| NO CEIL | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 65 20000 | 69.5 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 65 18000 | 69.5 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 65 16000 | 69.7 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 65 14000 | 69.7 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 65 12000 | 71.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 65 10000 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 65 8000 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 65 6000 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 65 4000 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 2000 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 65 5000 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 4500 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 4000 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 3500 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 3000 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 2500 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 2000 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 1800 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 1600 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 1400 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 1200 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 1000 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 800 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 600 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 500 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 400 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 300 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 200 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 100 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 50 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 20 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 10 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 65 0 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |

TOTAL NUMBER OF OBSERVATIONS 931

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT HOURS: 13-20

.....
VISIBILITY IN STATUTE MILES

| GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | | 0 |
| 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 |
| 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 77.5 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 78.5 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 79.4 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 84.4 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 85.9 | 85.9 | 85.9 | 85.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 90.3 | 90.3 | 90.3 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 91.1 | 91.1 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 91.7 | 91.7 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 92.9 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 93.5 | 93.5 | 93.5 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 94.5 | 94.5 | 94.5 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| 95.5 | 95.5 | 95.5 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 96.1 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 97.4 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 98.1 | 98.1 | 98.2 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 98.5 | 98.6 | 98.7 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 98.5 | 98.7 | 98.8 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| 98.5 | 98.7 | 98.8 | 99.2 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 |
| 99.5 | 99.7 | 99.8 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723543

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

| CEILING
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 63.2 | 63.3 | 63.6 | 63.7 | 63.8 | 63.3 | 63.3 | 63.8 | 63.8 | 63.8 |
| GE 20000 | 69.5 | 69.0 | 69.2 | 69.5 | 69.5 | 69.6 | 69.6 | 69.5 | 69.5 | 69.6 |
| GE 18000 | 69.6 | 69.0 | 69.2 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 16000 | 69.6 | 69.0 | 69.2 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 14000 | 69.6 | 69.1 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 12000 | 71.3 | 70.9 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 10000 | 71.6 | 72.4 | 72.5 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 9000 | 71.9 | 72.5 | 72.7 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 8000 | 74.2 | 74.7 | 75.2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 7000 | 74.9 | 75.7 | 76.5 | 76.3 | 76.3 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 6000 | 74.9 | 75.7 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 5000 | 75.8 | 77.0 | 76.5 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| GE 4500 | 77.1 | 78.5 | 79.1 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 4000 | 81.1 | 81.1 | 81.5 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 3500 | 81.1 | 82.2 | 82.9 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 |
| GE 3000 | 81.7 | 82.3 | 83.5 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 |
| GE 2500 | 85.7 | 86.2 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.7 | 86.7 | 86.7 |
| GE 2000 | 88.3 | 88.3 | 88.0 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 |
| GE 1800 | 88.4 | 87.0 | 87.1 | 88.5 | 88.5 | 88.5 | 88.6 | 88.7 | 88.7 | 88.7 |
| GE 1500 | 88.9 | 87.5 | 88.6 | 89.0 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 |
| GE 1200 | 87.2 | 88.5 | 89.9 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 1000 | 91.1 | 92.0 | 91.3 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 |
| GE 900 | 92.3 | 92.1 | 91.5 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 |
| GE 800 | 92.5 | 92.4 | 92.2 | 92.3 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 |
| GE 700 | 93.5 | 92.5 | 92.4 | 93.1 | 93.3 | 93.3 | 93.5 | 93.7 | 93.7 | 93.9 |
| GE 600 | 93.9 | 92.9 | 92.7 | 93.4 | 93.7 | 93.7 | 94.2 | 94.3 | 94.3 | 94.5 |
| GE 500 | 92.0 | 91.0 | 92.9 | 94.2 | 94.5 | 94.8 | 95.5 | 95.5 | 95.5 | 95.7 |
| GE 400 | 92.0 | 91.0 | 93.2 | 94.9 | 95.4 | 95.7 | 95.5 | 95.9 | 96.9 | 97.2 |
| GE 300 | 94.1 | 91.1 | 93.4 | 95.2 | 95.7 | 96.2 | 97.4 | 97.7 | 97.7 | 98.3 |
| GE 200 | 99.1 | 91.1 | 93.4 | 95.2 | 95.8 | 96.3 | 97.5 | 98.2 | 98.3 | 98.9 |
| GE 100 | 99.1 | 91.1 | 93.4 | 95.2 | 95.3 | 96.3 | 97.5 | 98.2 | 98.3 | 98.9 |
| GE 000 | 80.1 | 91.1 | 93.4 | 95.2 | 95.8 | 95.3 | 97.5 | 98.2 | 98.3 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT HOURS: 21-23

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------------|------|-------|-------|------|------|------|------|------|------|------|-------|
| GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
| 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/5 | 1/4 | | 0 |
| 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 86.5 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 93.3 | 93.5 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 93.7 | 94.2 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 94.8 | 95.5 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 95.7 | 96.6 | 96.9 | 96.9 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 96.2 | 97.4 | 97.7 | 97.7 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 96.3 | 97.5 | 98.2 | 98.3 | 98.9 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| 96.3 | 97.5 | 98.2 | 98.3 | 98.9 | 99.5 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 |
| 96.3 | 97.5 | 98.2 | 98.3 | 98.9 | 99.5 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 100.0 |

OPERATING LOCATION "A"
USAFPTAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 56.7 | 57.1 | 57.3 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 57.9 | 57.9 |
| GE 20000 | 63.7 | 63.2 | 63.4 | 63.7 | 63.8 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 18000 | 62.8 | 63.3 | 63.5 | 63.8 | 63.9 | 64.0 | 64.0 | 64.0 | 64.1 | 64.1 |
| GE 16000 | 62.7 | 63.3 | 63.5 | 63.8 | 63.9 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 |
| GE 14000 | 63.2 | 63.7 | 63.9 | 64.1 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.5 |
| GE 12000 | 64.7 | 65.2 | 65.4 | 65.7 | 65.8 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 10000 | 67.1 | 67.7 | 67.9 | 68.1 | 68.3 | 68.3 | 68.4 | 68.4 | 68.5 | 68.5 |
| GE 9000 | 67.3 | 67.7 | 68.0 | 68.3 | 68.4 | 68.5 | 68.5 | 68.5 | 68.6 | 68.7 |
| GE 8000 | 70.2 | 70.5 | 71.0 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 |
| GE 7000 | 70.3 | 71.0 | 71.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.4 | 72.4 | 72.5 |
| GE 6000 | 71.4 | 72.0 | 72.5 | 72.5 | 72.7 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 |
| GE 5000 | 72.5 | 73.1 | 73.4 | 73.5 | 73.9 | 74.0 | 74.1 | 74.1 | 74.1 | 74.2 |
| GE 4500 | 73.7 | 74.5 | 74.7 | 75.0 | 75.1 | 75.2 | 75.4 | 75.4 | 75.4 | 75.5 |
| GE 4000 | 75.9 | 76.7 | 77.2 | 77.5 | 77.5 | 77.6 | 78.0 | 78.0 | 78.0 | 78.1 |
| GE 3500 | 76.7 | 77.5 | 78.0 | 78.4 | 78.5 | 78.6 | 78.6 | 78.7 | 78.8 | 78.8 |
| GE 3000 | 77.0 | 78.7 | 79.3 | 79.7 | 79.8 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 2500 | 79.8 | 80.7 | 81.3 | 81.3 | 82.0 | 82.1 | 82.3 | 82.4 | 82.4 | 82.5 |
| GE 2000 | 81.5 | 82.7 | 83.5 | 84.0 | 84.3 | 84.4 | 84.6 | 84.6 | 84.7 | 84.7 |
| GE 1800 | 82.0 | 83.3 | 84.1 | 84.7 | 85.0 | 85.1 | 85.3 | 85.3 | 85.4 | 85.4 |
| GE 1600 | 83.2 | 84.4 | 85.5 | 86.0 | 86.2 | 86.4 | 86.5 | 86.7 | 86.7 | 86.7 |
| GE 1200 | 84.5 | 85.9 | 86.9 | 87.5 | 87.9 | 88.0 | 88.3 | 88.3 | 88.4 | 88.5 |
| GE 1000 | 85.1 | 86.7 | 87.9 | 88.8 | 89.1 | 89.3 | 89.5 | 89.7 | 89.7 | 89.7 |
| GE 900 | 85.4 | 87.0 | 88.3 | 89.2 | 89.5 | 89.8 | 90.1 | 90.2 | 90.2 | 90.3 |
| GE 800 | 85.9 | 87.6 | 89.0 | 90.1 | 90.6 | 90.6 | 91.2 | 91.3 | 91.3 | 91.4 |
| GE 700 | 85.1 | 87.9 | 89.5 | 90.7 | 91.4 | 91.5 | 92.1 | 92.1 | 92.1 | 92.2 |
| GE 600 | 85.3 | 88.4 | 90.1 | 91.4 | 92.2 | 92.4 | 93.1 | 93.2 | 93.2 | 93.3 |
| GE 500 | 86.6 | 89.9 | 91.0 | 92.5 | 93.7 | 94.0 | 95.0 | 95.0 | 95.1 | 95.3 |
| GE 400 | 85.7 | 89.0 | 91.3 | 93.1 | 94.5 | 95.0 | 96.2 | 96.4 | 96.4 | 96.7 |
| GE 300 | 86.7 | 89.1 | 91.5 | 93.4 | 95.0 | 95.7 | 97.1 | 97.5 | 97.5 | 97.9 |
| GE 200 | 85.7 | 89.1 | 91.6 | 93.5 | 95.1 | 95.9 | 97.4 | 97.3 | 97.3 | 98.3 |
| GE 100 | 86.7 | 89.1 | 91.6 | 93.5 | 95.1 | 95.8 | 97.4 | 97.9 | 98.0 | 98.5 |
| GE 500 | 86.7 | 89.1 | 91.6 | 93.5 | 95.1 | 95.3 | 97.4 | 97.9 | 98.0 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS 7440

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT HOURS: ALL

.....
DISTANCE IN STATUTE MILES

| GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 57.0 | 57.3 | 57.3 | 57.2 | 57.9 | 57.9 | 57.9 | 57.2 | 57.9 | 57.9 |
| 58.0 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 |
| 58.1 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 |
| 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 |
| 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 |
| 58.5 | 58.5 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 |
| 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 |
| 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 |
| 72.2 | 72.3 | 72.3 | 73.0 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 |
| 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 |
| 75.4 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 75.0 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 75.7 | 75.3 | 75.3 | 75.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 |
| 82.3 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 84.5 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 |
| 85.3 | 85.3 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 86.5 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 88.3 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 |
| 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 |
| 91.2 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 |
| 92.1 | 92.1 | 92.1 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 |
| 93.1 | 93.2 | 93.2 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 |
| 95.0 | 95.0 | 95.1 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| 96.2 | 96.4 | 96.4 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 |
| 97.1 | 97.5 | 97.5 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 |
| 97.4 | 97.8 | 97.9 | 98.3 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 |
| 97.4 | 97.9 | 98.0 | 98.5 | 98.9 | 98.9 | 99.2 | 99.3 | 99.4 | 99.6 |
| 97.4 | 97.9 | 98.0 | 98.5 | 98.9 | 99.0 | 99.2 | 99.3 | 99.5 | 100.0 |

.....

OPERATING LOCATION NAME
JSAFOTAC, ASH-VILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CH1
FROM HOURLY OBSERVATIONS

STATION NUMBER: 223640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

CEILING

VISIBILITY IN STATUTE MILES

| IN
FEET | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
|------------|------|------|------|------|------|-------|------|-------|-------|------|
| NO CH1 | 61.3 | 61.6 | 62.1 | 62.6 | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 | 63.3 |
| 38 20000 | 66.1 | 67.2 | 67.6 | 68.2 | 68.4 | 68.4 | 68.4 | 68.6 | 68.6 | 68.7 |
| 38 18000 | 66.1 | 67.2 | 67.6 | 68.2 | 68.4 | 68.4 | 68.4 | 68.6 | 68.6 | 68.7 |
| 38 16000 | 66.1 | 67.2 | 67.6 | 68.2 | 68.4 | 68.4 | 68.4 | 68.6 | 68.6 | 68.7 |
| 38 14000 | 66.3 | 67.4 | 68.2 | 68.4 | 68.7 | 68.7 | 68.7 | 68.9 | 68.9 | 69.3 |
| 38 12000 | 66.8 | 67.6 | 68.6 | 69.0 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.6 |
| 37 10000 | 70.9 | 71.0 | 71.5 | 71.9 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.4 |
| 37 8000 | 70.9 | 71.0 | 71.5 | 71.9 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.4 |
| 36 6000 | 70.1 | 71.2 | 71.8 | 72.2 | 72.4 | 72.4 | 72.4 | 72.6 | 72.6 | 72.7 |
| 36 4000 | 73.9 | 73.1 | 73.7 | 74.1 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.7 |
| 36 2000 | 73.7 | 73.6 | 74.5 | 74.6 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 | 75.1 |
| 35 10000 | 73.9 | 74.7 | 75.2 | 75.7 | 75.9 | 75.9 | 75.9 | 76.0 | 76.0 | 76.1 |
| 35 8000 | 73.9 | 75.0 | 75.3 | 75.3 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 | 75.9 |
| 35 6000 | 74.6 | 75.3 | 77.3 | 77.4 | 77.7 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 |
| 35 4000 | 75.0 | 75.7 | 77.2 | 77.7 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.1 |
| 35 2000 | 75.0 | 77.1 | 78.1 | 78.6 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 79.0 |
| 34 25000 | 74.9 | 75.1 | 77.3 | 78.3 | 80.3 | 80.3 | 80.3 | 80.1 | 80.1 | 80.2 |
| 34 20000 | 77.3 | 78.6 | 79.3 | 80.2 | 80.4 | 80.4 | 80.4 | 80.6 | 80.6 | 80.7 |
| 34 18000 | 77.3 | 79.2 | 80.4 | 80.9 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.3 |
| 34 16000 | 78.6 | 80.2 | 81.8 | 81.9 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.3 |
| 34 12000 | 78.2 | 80.9 | 82.2 | 82.7 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 |
| 33 10000 | 81.6 | 82.3 | 84.2 | 84.7 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 |
| 33 8000 | 81.2 | 83.6 | 85.7 | 86.2 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.8 |
| 33 6000 | 81.6 | 84.4 | 86.7 | 87.2 | 87.8 | 87.8 | 87.8 | 88.3 | 88.3 | 88.6 |
| 33 4000 | 82.5 | 85.0 | 87.4 | 88.0 | 88.7 | 88.7 | 88.7 | 89.2 | 89.2 | 89.3 |
| 33 2000 | 82.4 | 85.4 | 87.3 | 88.6 | 89.7 | 89.2 | 89.4 | 89.6 | 89.6 | 89.8 |
| 32 5000 | 82.7 | 85.0 | 88.3 | 89.1 | 91.1 | 91.3 | 92.3 | 92.4 | 92.4 | 92.7 |
| 32 4000 | 82.6 | 85.3 | 89.4 | 89.9 | 92.1 | 92.9 | 93.7 | 93.6 | 93.6 | 94.0 |
| 32 3000 | 82.9 | 85.4 | 89.7 | 91.4 | 92.7 | 93.5 | 94.3 | 95.1 | 95.2 | 95.6 |
| 32 2000 | 82.9 | 85.6 | 89.6 | 91.6 | 92.9 | 93.8 | 95.4 | 95.3 | 95.9 | 96.3 |
| 32 1000 | 82.9 | 85.4 | 89.8 | 91.7 | 93.0 | 93.9 | 95.6 | 95.9 | 95.0 | 95.4 |
| 32 000 | 82.9 | 85.4 | 89.3 | 91.7 | 93.0 | 93.9 | 95.6 | 95.9 | 95.0 | 95.4 |

TOTAL NUMBER OF OBSERVATIONS 200

THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

TABLE 04

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: 00-02

| VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| GE
1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| 62.0 | 62.0 | 62.0 | 62.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 64.4 | 64.4 | 64.6 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 64.6 | 64.6 | 64.6 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 64.4 | 64.4 | 64.6 | 64.6 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 67.7 | 67.7 | 67.8 | 67.8 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| 69.2 | 69.2 | 69.3 | 69.3 | 69.4 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| 71.2 | 71.2 | 71.3 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 71.2 | 71.2 | 71.3 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 72.4 | 72.4 | 72.6 | 72.6 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 74.3 | 74.3 | 74.4 | 74.4 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 75.0 | 75.0 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 76.2 | 76.2 | 76.2 | 76.2 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 77.7 | 77.7 | 77.8 | 77.8 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 77.9 | 77.9 | 78.0 | 78.0 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 80.0 | 80.0 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 80.4 | 80.4 | 80.6 | 80.6 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 81.1 | 81.1 | 81.2 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 82.1 | 82.1 | 82.2 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 86.6 | 86.6 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| 88.2 | 88.2 | 88.3 | 88.3 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| 89.1 | 89.1 | 89.2 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 90.2 | 90.4 | 90.6 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 92.3 | 92.3 | 92.4 | 92.4 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 93.7 | 93.7 | 93.8 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 95.5 | 95.5 | 95.1 | 95.2 | 95.6 | 96.0 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 |
| 95.3 | 95.4 | 95.8 | 95.9 | 96.3 | 97.0 | 97.2 | 97.8 | 97.8 | 97.8 | 97.8 |
| 95.2 | 95.6 | 95.9 | 96.0 | 96.4 | 97.2 | 97.8 | 98.3 | 98.6 | 99.0 | 99.8 |
| 95.0 | 95.6 | 95.9 | 96.0 | 96.4 | 97.2 | 97.8 | 98.3 | 98.6 | 99.1 | 100.0 |

OPERATING LOCATION "A"
USAFBAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723543

STATION NAME: TUCKER AFB, NC
LST TO UTC: + 6

PERIOD OF
MONTH: NOV

| CEILING
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|-----------------|-----------------------------|--------|--------|--------|--------|------------|--------|----------------|----------------|--------|------------|
| | 10
7 | 8
6 | 6
5 | 4
4 | 3
3 | 2 1/2
2 | 2
2 | 1 1/2
1 1/2 | 1 1/4
1 1/4 | 1
1 | 3/4
3/4 |
| NO CEIL | 58.2 | 57.6 | 58.0 | 58.3 | 58.9 | 58.9 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| 68 20000 | 59.2 | 61.2 | 61.3 | 62.2 | 62.3 | 62.3 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 |
| 68 17000 | 62.3 | 61.2 | 61.3 | 62.2 | 62.3 | 62.3 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 |
| 68 16000 | 62.3 | 61.2 | 61.3 | 62.2 | 62.3 | 62.3 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 |
| 68 14000 | 62.5 | 61.9 | 62.1 | 62.4 | 63.0 | 63.0 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 |
| 68 12000 | 63.4 | 62.3 | 63.1 | 63.3 | 63.9 | 63.9 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 |
| 68 10000 | 64.1 | 64.0 | 64.7 | 65.0 | 65.6 | 65.6 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| 68 9000 | 64.3 | 64.2 | 64.9 | 65.2 | 65.5 | 65.5 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 |
| 68 8000 | 64.3 | 65.1 | 65.1 | 67.1 | 67.7 | 67.7 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 |
| 68 7000 | 65.3 | 67.2 | 67.9 | 68.2 | 68.1 | 68.1 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 |
| 68 6000 | 65.6 | 67.9 | 68.1 | 68.4 | 69.0 | 69.0 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 |
| 68 5000 | 68.1 | 69.1 | 69.9 | 69.3 | 70.4 | 70.4 | 70.3 | 70.9 | 70.9 | 71.1 | 71.1 |
| 68 4000 | 67.2 | 69.3 | 70.2 | 70.5 | 71.2 | 71.2 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 |
| 68 3000 | 68.2 | 70.5 | 71.2 | 71.5 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 68 3500 | 69.1 | 71.1 | 72.1 | 72.3 | 73.1 | 73.1 | 73.5 | 73.5 | 73.5 | 73.7 | 73.7 |
| 68 3000 | 70.1 | 72.1 | 73.0 | 72.3 | 74.1 | 74.1 | 74.5 | 74.5 | 74.5 | 74.7 | 74.7 |
| 68 2500 | 71.3 | 73.4 | 74.5 | 75.1 | 75.9 | 75.9 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 |
| 68 2000 | 72.3 | 75.1 | 75.4 | 77.0 | 77.3 | 77.3 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 |
| 68 1800 | 73.1 | 75.4 | 75.5 | 77.3 | 78.1 | 78.1 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 |
| 68 1600 | 75.2 | 77.1 | 78.9 | 79.4 | 80.2 | 80.2 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 |
| 68 1200 | 75.2 | 78.7 | 80.3 | 80.9 | 81.9 | 81.9 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 |
| 68 1000 | 77.5 | 81.4 | 82.2 | 82.3 | 83.3 | 83.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 |
| 68 900 | 78.1 | 81.2 | 83.3 | 83.9 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 |
| 68 800 | 79.3 | 82.6 | 84.2 | 85.4 | 85.7 | 85.8 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 |
| 68 700 | 79.5 | 83.3 | 85.6 | 86.7 | 88.2 | 88.3 | 89.3 | 89.3 | 89.3 | 89.1 | 89.1 |
| 68 600 | 79.7 | 83.6 | 86.3 | 87.6 | 89.2 | 89.3 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 |
| 68 500 | 81.0 | 83.9 | 87.1 | 88.3 | 90.6 | 90.7 | 91.5 | 91.5 | 91.5 | 92.1 | 92.1 |
| 68 400 | 80.1 | 83.9 | 87.2 | 88.7 | 90.9 | 91.4 | 92.6 | 93.2 | 93.3 | 93.4 | 93.4 |
| 68 300 | 83.0 | 83.9 | 87.3 | 89.0 | 91.3 | 92.3 | 93.7 | 94.5 | 94.9 | 95.2 | 95.2 |
| 68 200 | 83.3 | 83.9 | 87.4 | 89.3 | 92.2 | 92.2 | 94.4 | 95.7 | 95.8 | 96.2 | 96.2 |
| 68 100 | 80.9 | 83.9 | 87.4 | 89.3 | 92.2 | 92.5 | 94.5 | 95.9 | 96.2 | 96.4 | 96.4 |
| 68 000 | 83.0 | 83.9 | 87.4 | 89.3 | 92.2 | 92.5 | 94.6 | 95.9 | 96.2 | 96.5 | 96.5 |

TOTAL NUMBER OF OBSERVATIONS 900

THE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

WFO BK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV HOURS: 03-05

..... VISIBILITY IN STATUTE MILES

| 1/2 | 1 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/3 | 1/4 | 0 |
|------|------|-------|-------|------|------|------|------|------|------|-------|
| 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.4 | 59.6 |
| 63.3 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.6 |
| 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.6 |
| 63.3 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.6 |
| 63.2 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.7 | 63.8 |
| 63.2 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.5 | 64.7 |
| 65.2 | 65.0 | 65.0 | 65.0 | 65.1 | 66.1 | 65.1 | 65.1 | 65.1 | 66.2 | 65.3 |
| 65.3 | 65.2 | 65.2 | 65.2 | 65.3 | 66.3 | 65.3 | 65.3 | 65.3 | 66.4 | 66.5 |
| 67.7 | 68.1 | 68.1 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.4 |
| 68.2 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.4 | 69.6 |
| 69.2 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.7 | 69.8 |
| 70.4 | 70.2 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.2 |
| 71.2 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 | 72.0 |
| 72.3 | 72.5 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.1 |
| 73.1 | 73.5 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.9 |
| 74.1 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.9 |
| 75.7 | 75.3 | 75.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.5 | 76.7 |
| 77.7 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.6 |
| 78.1 | 78.5 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.9 |
| 80.2 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 81.0 |
| 81.9 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 | 82.7 |
| 83.8 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 | 84.7 |
| 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.6 |
| 85.8 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.7 |
| 88.3 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.3 |
| 89.3 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.6 |
| 90.7 | 91.5 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.3 |
| 91.4 | 92.6 | 93.2 | 93.3 | 93.4 | 93.6 | 93.6 | 93.7 | 93.7 | 93.8 | 93.9 |
| 92.3 | 93.7 | 94.8 | 94.9 | 95.2 | 95.3 | 95.3 | 95.7 | 95.7 | 95.8 | 95.9 |
| 93.2 | 94.4 | 95.7 | 95.8 | 96.2 | 96.6 | 96.6 | 97.2 | 97.4 | 97.6 | 97.7 |
| 93.5 | 94.5 | 95.0 | 96.2 | 96.8 | 97.1 | 97.2 | 98.1 | 98.7 | 99.0 | 99.3 |
| 95.3 | 94.5 | 96.0 | 96.2 | 96.8 | 97.1 | 97.2 | 98.1 | 98.7 | 99.1 | 100.0 |

OPERATING LOCATION: "A"
SAULTAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
1124 HOURLY OBSERVATIONS

STATION NUMBER: 723040

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
DATE:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
| NO CEIL | 49.7 | 51.6 | 52.2 | 52.9 | 53.3 | 53.5 | 53.5 | 53.7 | 53.7 | 53.9 |
| 05 20000 | 53.3 | 53.3 | 55.0 | 56.7 | 57.1 | 57.3 | 57.3 | 57.5 | 57.6 | 57.7 |
| 05 18000 | 54.1 | 55.1 | 55.1 | 55.5 | 57.2 | 57.4 | 57.4 | 57.7 | 57.7 | 57.9 |
| 05 16000 | 53.1 | 55.1 | 55.1 | 55.3 | 57.2 | 57.4 | 57.4 | 57.7 | 57.7 | 57.7 |
| 05 14000 | 53.4 | 55.4 | 55.4 | 57.1 | 57.5 | 57.3 | 57.3 | 58.0 | 58.0 | 58.2 |
| 05 12000 | 54.2 | 55.3 | 57.4 | 58.1 | 58.6 | 58.5 | 58.5 | 59.0 | 59.0 | 59.2 |
| 05 10000 | 55.7 | 58.0 | 59.9 | 60.7 | 61.1 | 61.3 | 61.3 | 61.5 | 61.5 | 61.7 |
| 05 9000 | 56.7 | 59.0 | 59.3 | 59.7 | 61.1 | 61.3 | 61.3 | 61.5 | 61.5 | 61.7 |
| 05 8000 | 59.1 | 51.3 | 52.4 | 53.5 | 54.1 | 54.3 | 54.3 | 54.5 | 54.5 | 54.7 |
| 05 7000 | 59.7 | 51.3 | 53.5 | 54.1 | 54.7 | 54.9 | 54.9 | 55.1 | 55.1 | 55.3 |
| 05 6000 | 59.1 | 52.0 | 53.1 | 54.2 | 54.5 | 55.0 | 55.0 | 55.2 | 55.2 | 55.5 |
| 05 5000 | 51.7 | 53.0 | 55.0 | 55.1 | 55.7 | 56.0 | 56.0 | 57.1 | 57.1 | 57.3 |
| 05 4500 | 62.1 | 54.4 | 55.4 | 56.5 | 57.1 | 57.3 | 57.3 | 57.5 | 57.5 | 57.7 |
| 05 4000 | 62.6 | 56.0 | 55.1 | 57.2 | 57.5 | 58.0 | 58.1 | 58.4 | 58.4 | 58.7 |
| 05 3500 | 53.3 | 55.7 | 55.0 | 57.5 | 58.5 | 58.8 | 58.9 | 59.2 | 59.2 | 59.4 |
| 05 3000 | 54.4 | 55.7 | 58.0 | 59.0 | 59.3 | 70.1 | 70.2 | 70.5 | 70.5 | 70.7 |
| 05 2500 | 57.2 | 57.5 | 58.3 | 70.3 | 70.5 | 70.3 | 71.0 | 71.3 | 71.3 | 71.5 |
| 05 2000 | 58.5 | 71.1 | 72.4 | 73.7 | 74.3 | 74.7 | 74.8 | 75.1 | 75.1 | 75.3 |
| 05 1800 | 59.4 | 72.2 | 73.3 | 75.3 | 75.7 | 75.3 | 75.1 | 75.4 | 75.4 | 75.7 |
| 05 1600 | 71.0 | 73.9 | 75.4 | 75.7 | 77.3 | 77.7 | 77.7 | 78.1 | 78.1 | 78.3 |
| 05 1400 | 72.2 | 75.2 | 77.9 | 79.1 | 79.9 | 80.4 | 80.5 | 80.9 | 80.9 | 81.1 |
| 05 1200 | 74.1 | 77.3 | 80.0 | 81.3 | 82.2 | 82.5 | 82.3 | 83.2 | 83.2 | 83.4 |
| 05 1000 | 75.5 | 79.1 | 82.0 | 83.3 | 84.3 | 84.7 | 85.0 | 85.3 | 85.3 | 85.5 |
| 05 900 | 75.3 | 79.7 | 82.7 | 84.1 | 85.2 | 85.3 | 85.1 | 85.4 | 85.4 | 85.7 |
| 05 800 | 75.3 | 80.1 | 83.3 | 85.1 | 85.7 | 87.5 | 87.5 | 88.1 | 88.1 | 88.3 |
| 05 700 | 75.3 | 80.2 | 83.3 | 85.0 | 87.3 | 88.8 | 89.3 | 89.7 | 89.7 | 90.0 |
| 05 600 | 75.3 | 80.4 | 84.3 | 86.2 | 88.9 | 90.0 | 90.7 | 91.1 | 91.1 | 91.4 |
| 05 500 | 75.4 | 80.7 | 84.6 | 87.4 | 90.0 | 91.5 | 92.3 | 93.5 | 93.5 | 94.0 |
| 05 400 | 75.5 | 80.7 | 84.3 | 87.7 | 90.4 | 92.1 | 93.5 | 94.5 | 94.5 | 95.4 |
| 05 300 | 75.5 | 80.7 | 84.3 | 87.7 | 90.4 | 92.1 | 93.5 | 94.5 | 94.5 | 95.4 |
| 05 200 | 75.5 | 80.7 | 84.3 | 87.7 | 90.4 | 92.1 | 93.5 | 94.5 | 94.5 | 95.4 |
| 05 100 | 75.5 | 80.7 | 84.3 | 87.7 | 90.4 | 92.1 | 93.5 | 94.5 | 94.5 | 95.4 |
| 05 000 | 75.5 | 80.7 | 84.3 | 87.7 | 90.4 | 92.1 | 93.5 | 94.5 | 94.5 | 95.4 |

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WIKES AFB TX

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV HOURS: 06-08

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------------|---------|-------------|-------------|---------|-------------|-------------|-------------|---------|-------------|-------------|---------|
| GE
0 1/2 | GE
1 | GE
1 1/2 | GE
1 3/4 | GE
2 | GE
2 1/4 | GE
2 1/2 | GE
2 3/4 | GE
3 | GE
3 1/2 | GE
3 3/4 | GE
4 |
| 53.5 | 53.5 | 53.3 | 53.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.1 |
| 57.3 | 57.3 | 57.4 | 57.5 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 58.0 | 58.1 |
| 57.4 | 57.4 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.2 |
| 57.4 | 57.4 | 57.7 | 57.7 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.2 |
| 57.7 | 57.8 | 58.0 | 58.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.6 |
| 58.3 | 58.3 | 58.0 | 58.0 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.6 |
| 61.3 | 61.3 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.9 | 61.9 | 62.1 |
| 61.3 | 61.3 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.9 | 61.9 | 62.1 |
| 64.3 | 64.3 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7 | 65.1 |
| 64.9 | 64.9 | 65.1 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.7 |
| 65.9 | 65.9 | 65.2 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.6 | 65.6 | 65.8 |
| 68.9 | 68.9 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.7 |
| 67.3 | 67.3 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 68.1 |
| 68.9 | 68.9 | 68.4 | 68.4 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.8 | 69.0 |
| 68.8 | 68.9 | 69.2 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.8 |
| 70.1 | 70.2 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.9 | 70.9 | 71.1 |
| 70.9 | 71.0 | 71.3 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.9 |
| 74.7 | 74.8 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.7 |
| 75.9 | 75.1 | 75.4 | 75.4 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 77.0 |
| 77.7 | 77.7 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.7 |
| 80.4 | 80.5 | 80.9 | 80.9 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.4 |
| 82.3 | 82.9 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.7 |
| 84.9 | 85.0 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.9 |
| 85.9 | 85.1 | 85.4 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 87.0 |
| 87.6 | 87.5 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.7 |
| 88.8 | 89.3 | 89.7 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.3 |
| 90.9 | 90.7 | 91.1 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.8 |
| 91.5 | 92.9 | 93.5 | 93.5 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.2 | 94.3 | 94.7 |
| 92.1 | 93.5 | 94.8 | 94.8 | 95.4 | 95.6 | 95.6 | 95.6 | 95.8 | 95.9 | 96.0 | 96.3 |
| 92.4 | 93.9 | 95.4 | 95.4 | 95.3 | 95.4 | 95.4 | 95.4 | 97.1 | 97.2 | 97.3 | 97.7 |
| 92.4 | 93.9 | 95.6 | 95.6 | 96.7 | 96.8 | 96.8 | 96.8 | 97.8 | 97.9 | 98.2 | 98.9 |
| 92.4 | 93.9 | 95.6 | 95.6 | 96.7 | 96.8 | 97.0 | 98.0 | 98.0 | 98.1 | 98.7 | 100.0 |

OPERATING LOCATION: "A"
USARFAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
SPECIFICLY OBSERVATIONS

STATION NUMBER: 703340

STATION NAME: TINKER AREA JK
EST TO HQ: + 6

DATE
MONTH

| CEILING
FT | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|---------------|-----------------------------|------|------|------|------|-------|------|-------|-------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 1/2 | 7 | 8 1/2 | 9 1/2 | 10 |
| 1000 | 50.0 | 51.0 | 51.7 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 950 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 900 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 850 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 800 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 750 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 700 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 650 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 600 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 550 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 500 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 450 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 400 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 350 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 300 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 250 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 200 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 150 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 100 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 50 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |

TOTAL NUMBER OF OBSERVATIONS 900

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV HOURS: 09-11

7 - 2 - 74

OPERATING LOCATION "A"
USAFETAC, ASHFVILL, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEI
FROM PROPLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

| CEILING | | | | | | VISIBILITY IN STATUTE MILES | | | | |
|---------|------|------|------|------|------|-----------------------------|------|-------|-------|------|
| IN FEET | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 |
| | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
| 00 0000 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 05 2000 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 10 1000 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 15 1600 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 20 1400 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 25 1200 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 30 1000 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 35 0000 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 40 0000 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 45 2000 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| 50 5000 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| 55 4000 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 60 4000 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 65 4000 | 72.0 | 72.1 | 72.1 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 70 3500 | 72.4 | 72.5 | 72.5 | 72.7 | 72.9 | 72.9 | 73.0 | 73.1 | 73.1 | 73.1 |
| 75 5000 | 74.5 | 74.7 | 74.7 | 74.9 | 75.0 | 75.0 | 75.1 | 75.2 | 75.2 | 75.2 |
| 80 2500 | 75.0 | 75.0 | 75.0 | 75.0 | 75.2 | 75.2 | 75.3 | 75.4 | 75.4 | 75.4 |
| 85 2000 | 80.0 | 81.5 | 81.5 | 81.5 | 82.0 | 82.0 | 82.2 | 82.3 | 82.5 | 82.5 |
| 90 1000 | 81.5 | 82.3 | 82.3 | 82.5 | 82.7 | 82.9 | 83.1 | 83.2 | 83.2 | 83.2 |
| 95 1500 | 82.6 | 83.7 | 83.8 | 84.1 | 84.4 | 84.4 | 84.7 | 84.9 | 84.9 | 84.9 |
| 00 1000 | 84.3 | 86.0 | 87.0 | 87.5 | 87.9 | 87.9 | 88.1 | 88.2 | 88.2 | 88.2 |
| 05 1000 | 88.3 | 88.3 | 88.7 | 89.4 | 90.0 | 90.0 | 90.2 | 90.3 | 90.3 | 90.3 |
| 10 2000 | 89.0 | 89.1 | 89.5 | 90.3 | 90.9 | 90.9 | 91.1 | 91.2 | 91.2 | 91.2 |
| 15 2000 | 89.5 | 89.4 | 90.1 | 91.0 | 91.7 | 91.7 | 92.1 | 92.2 | 92.2 | 92.2 |
| 20 700 | 89.0 | 89.0 | 90.5 | 91.5 | 92.2 | 92.2 | 92.7 | 92.8 | 92.8 | 92.8 |
| 25 500 | 87.2 | 89.3 | 91.3 | 92.9 | 93.9 | 94.0 | 94.5 | 94.7 | 94.7 | 94.7 |
| 30 500 | 87.3 | 89.4 | 91.3 | 93.5 | 95.0 | 95.1 | 95.0 | 95.1 | 95.1 | 95.2 |
| 35 400 | 87.3 | 89.4 | 92.0 | 94.1 | 95.7 | 95.0 | 97.3 | 97.5 | 97.3 | 98.5 |
| 40 300 | 87.3 | 90.4 | 92.0 | 94.1 | 95.9 | 95.0 | 97.4 | 97.7 | 97.9 | 98.4 |
| 45 200 | 87.3 | 90.4 | 92.0 | 94.1 | 95.9 | 96.0 | 97.4 | 97.7 | 97.9 | 98.5 |
| 50 100 | 87.3 | 90.4 | 92.0 | 94.1 | 95.9 | 96.0 | 97.4 | 97.9 | 97.9 | 98.5 |
| 55 000 | 87.3 | 90.4 | 92.0 | 94.1 | 95.9 | 96.0 | 97.4 | 97.9 | 97.9 | 98.5 |

TOTAL NUMBER OF OBSERVATIONS 900

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE ARB OK

PERIOD OF RECORD: MAR 79 - FEB 80

MONTH: NOV HOURS: 12-14

| VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| GE
0 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 72.4 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 72.9 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 75.0 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 79.2 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 82.0 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 82.9 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 84.4 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 87.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 90.0 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 90.9 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 91.7 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 92.2 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 95.1 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 95.6 | 97.3 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 95.0 | 97.4 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 |
| 96.0 | 97.4 | 97.9 | 97.9 | 98.8 | 98.9 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 |
| 96.0 | 97.4 | 97.9 | 97.9 | 98.8 | 98.9 | 98.9 | 99.3 | 99.4 | 99.6 | 99.7 |
| 96.0 | 97.4 | 97.9 | 97.9 | 98.8 | 98.9 | 98.9 | 99.3 | 99.4 | 99.6 | 100.0 |

OPERATING LOCATION "A"
USAFSTAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
8 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| GE 20000 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 18000 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 16000 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 |
| GE 14000 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 12000 | 65.3 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 10000 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 9000 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 |
| GE 8000 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 7000 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 6000 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 5000 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 |
| GE 4500 | 72.4 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| GE 4000 | 75.3 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 3500 | 75.3 | 77.1 | 77.1 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 3000 | 79.9 | 80.1 | 80.1 | 80.2 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 2500 | 81.3 | 82.4 | 82.4 | 82.5 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 2000 | 84.2 | 84.3 | 84.3 | 85.1 | 85.4 | 85.4 | 85.7 | 85.8 | 85.8 | 85.8 |
| GE 1800 | 84.3 | 85.3 | 85.3 | 85.5 | 85.9 | 85.9 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 1600 | 85.1 | 86.7 | 86.7 | 86.9 | 87.3 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 1200 | 87.5 | 88.3 | 88.3 | 88.5 | 88.3 | 89.3 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 1000 | 87.5 | 88.9 | 88.9 | 89.5 | 90.1 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 900 | 89.1 | 89.3 | 89.3 | 89.5 | 90.7 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 800 | 89.2 | 89.4 | 89.5 | 89.4 | 91.2 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 700 | 89.9 | 89.3 | 89.5 | 91.0 | 91.8 | 91.8 | 92.3 | 92.4 | 92.4 | 92.4 |
| GE 600 | 89.7 | 89.9 | 90.5 | 91.9 | 93.0 | 93.0 | 93.8 | 93.9 | 93.9 | 93.9 |
| GE 500 | 89.7 | 89.9 | 90.9 | 92.4 | 93.8 | 93.8 | 94.9 | 95.0 | 95.0 | 95.0 |
| GE 400 | 89.3 | 89.2 | 91.2 | 93.5 | 95.0 | 95.1 | 97.1 | 97.3 | 97.3 | 97.3 |
| GE 300 | 89.3 | 89.2 | 91.4 | 93.7 | 95.4 | 95.7 | 97.3 | 97.0 | 97.0 | 97.0 |
| GE 200 | 89.9 | 89.2 | 91.4 | 93.9 | 95.4 | 95.7 | 97.3 | 98.0 | 98.0 | 98.0 |
| GE 100 | 89.9 | 89.2 | 91.4 | 93.9 | 95.4 | 95.7 | 97.3 | 98.0 | 98.0 | 98.0 |
| GE 500 | 89.9 | 89.2 | 91.4 | 93.7 | 95.4 | 95.7 | 97.0 | 98.0 | 98.0 | 98.0 |

TOTAL NUMBER OF OBSERVATIONS 200

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

K AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV HOURS: 15-17

VISIBILITY IN STATUTE MILES

| GE
1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 63.9 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 63.7 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| 85.6 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 87.3 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 89.3 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 90.1 | 90.4 | 90.4 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 90.7 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 91.2 | 91.3 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 91.9 | 92.3 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 93.0 | 93.8 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 93.4 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 |
| 95.1 | 97.1 | 97.3 | 97.3 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 |
| 95.7 | 97.3 | 98.0 | 98.0 | 98.7 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.2 |
| 95.7 | 97.8 | 98.0 | 98.0 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.4 |
| 95.7 | 97.3 | 98.0 | 98.0 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 99.6 |
| 95.7 | 97.8 | 98.0 | 98.0 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.3 | 100.0 |

OPERATING LOCATION: WAW
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
5 | GE
3 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 60.0 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| GE 20000 | 67.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 18000 | 67.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 16000 | 67.0 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| GE 14000 | 67.0 | 68.0 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| GE 12000 | 68.0 | 69.0 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| GE 10000 | 71.0 | 71.7 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 9000 | 71.0 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 8000 | 74.0 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 7000 | 75.1 | 75.5 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 6000 | 75.3 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 5000 | 76.0 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 4500 | 76.7 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 4000 | 77.0 | 77.0 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 3500 | 79.5 | 79.2 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 3000 | 80.0 | 81.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 2500 | 82.0 | 82.7 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 2000 | 83.0 | 84.9 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 1800 | 84.1 | 85.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 1600 | 85.0 | 86.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 1400 | 85.0 | 87.0 | 88.5 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 1200 | 86.4 | 87.7 | 88.0 | 89.1 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| GE 1000 | 86.7 | 87.0 | 89.1 | 89.3 | 89.6 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 900 | 86.9 | 88.1 | 89.5 | 89.3 | 90.1 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 800 | 86.9 | 88.3 | 90.0 | 90.3 | 90.7 | 91.3 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 700 | 87.0 | 88.4 | 90.4 | 91.2 | 91.8 | 92.4 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 600 | 87.2 | 88.7 | 91.1 | 92.1 | 92.9 | 93.5 | 94.2 | 94.3 | 94.3 | 94.4 |
| GE 500 | 87.2 | 88.7 | 91.1 | 92.3 | 93.4 | 94.3 | 95.4 | 95.0 | 95.0 | 95.7 |
| GE 400 | 87.2 | 88.9 | 91.4 | 92.5 | 94.1 | 95.1 | 95.5 | 97.6 | 97.6 | 98.2 |
| GE 300 | 87.2 | 89.0 | 91.4 | 92.8 | 94.1 | 95.2 | 96.7 | 98.0 | 98.0 | 98.7 |
| GE 200 | 87.2 | 88.9 | 91.4 | 92.8 | 94.1 | 95.2 | 96.7 | 98.0 | 98.0 | 98.7 |
| GE 100 | 87.2 | 88.9 | 91.4 | 92.8 | 94.1 | 95.2 | 96.7 | 98.0 | 98.0 | 98.7 |
| GE 500 | 87.2 | 88.9 | 91.4 | 92.8 | 94.1 | 95.2 | 96.7 | 98.0 | 98.0 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 900

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: 18-20

.....
CEILING IN STATUTE MILES

| CE | CE | CE | CE | CE | CE | CE | CE | CE | CE | CE |
|------|-------|-------|------|------|------|------|------|------|-------|------|
| 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/8 | 1/4 | | 0 |
| 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 94.2 | 94.3 | 94.3 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 95.4 | 95.0 | 96.0 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 95.6 | 97.6 | 97.6 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 96.7 | 98.0 | 98.0 | 98.7 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 96.7 | 98.0 | 98.0 | 98.7 | 99.1 | 99.1 | 99.4 | 99.4 | 99.7 | 99.8 | |
| 96.7 | 98.0 | 98.0 | 98.7 | 99.1 | 99.1 | 99.4 | 99.4 | 99.7 | 100.0 | |

OPERATING LOCATION "A"
USAFETAC, ASHVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|-------------|---------|-----------|-----------|-----------|------------|------------|
| | GE
7 | GE
5 | GE
3 | GE
1 1/2 | GE
1 | GE
1/2 | GE
1/4 | GE
1/8 | GE
1/16 | GE
1/32 |
| NO CEIL | 62.2 | 62.2 | 62.2 | 63.0 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 20000 | 67.7 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 18000 | 67.7 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 16000 | 67.7 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 14000 | 67.7 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 12000 | 67.7 | 68.6 | 68.6 | 68.7 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 10000 | 71.9 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 9000 | 71.9 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 8000 | 72.6 | 72.6 | 72.6 | 72.6 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 7000 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 |
| GE 6000 | 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 5000 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 |
| GE 4500 | 76.3 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 4000 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 3500 | 78.1 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 3000 | 78.6 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 2500 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 |
| GE 2000 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 1800 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 1600 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 1500 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 1200 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 1000 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 900 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 800 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 700 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 600 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 500 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 400 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 300 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 200 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 100 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |

TOTAL NUMBER OF OBSERVATIONS 900

1000

DISTANCE IN STATUTE MILES

2 - 2 - 93

OPERATING LOCATION: WAM
USAFSTAC, ARMYVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| FLIGHT | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | 01
7 | 02
8 | 03
9 | 04
4 | 05
3 | 06
2 1/2 | 07
2 | 08
1 1/2 | 09
1 1/4 | 10
1 |
| 01 0-10 | 55.7 | 56.7 | 56.7 | 57.1 | 57.3 | 57.3 | 57.4 | 57.5 | 57.5 | 57.5 |
| 02 10-20 | 61.7 | 62.6 | 62.7 | 63.1 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.7 |
| 03 20-30 | 61.7 | 62.6 | 63.1 | 63.3 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.7 |
| 04 30-40 | 62.2 | 62.2 | 63.5 | 63.7 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.1 |
| 05 40-50 | 62.7 | 62.9 | 64.3 | 64.5 | 64.5 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 |
| 06 50-60 | 65.2 | 66.2 | 66.6 | 66.8 | 67.0 | 67.3 | 67.4 | 67.4 | 67.4 | 67.5 |
| 07 60-70 | 67.3 | 67.5 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| 08 70-80 | 67.3 | 67.6 | 68.7 | 69.0 | 69.2 | 69.2 | 69.3 | 69.4 | 69.4 | 69.5 |
| 09 80-90 | 69.3 | 69.6 | 69.7 | 70.1 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.5 |
| 10 90-100 | 69.7 | 70.1 | 70.7 | 70.7 | 71.2 | 71.0 | 71.1 | 71.1 | 71.1 | 71.2 |
| 11 100-110 | 71.4 | 71.6 | 71.6 | 71.7 | 71.9 | 72.0 | 72.0 | 72.1 | 72.1 | 72.2 |
| 12 110-120 | 71.5 | 71.5 | 72.3 | 72.3 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 |
| 13 120-130 | 71.7 | 73.1 | 73.5 | 74.0 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.5 |
| 14 130-140 | 72.5 | 73.9 | 74.4 | 74.8 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 | 75.4 |
| 15 140-150 | 74.0 | 75.3 | 75.5 | 75.7 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 |
| 16 150-160 | 75.7 | 77.0 | 77.7 | 78.1 | 78.4 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 |
| 17 160-170 | 77.5 | 78.1 | 78.7 | 80.3 | 80.7 | 80.8 | 81.0 | 81.0 | 81.0 | 81.1 |
| 18 170-180 | 78.1 | 79.5 | 80.5 | 81.0 | 81.4 | 81.5 | 81.7 | 81.8 | 81.8 | 81.8 |
| 19 180-190 | 79.3 | 81.1 | 82.0 | 82.5 | 82.9 | 83.0 | 83.1 | 83.2 | 83.2 | 83.3 |
| 20 190-200 | 83.3 | 83.7 | 83.8 | 84.4 | 84.9 | 85.0 | 85.2 | 85.3 | 85.3 | 85.4 |
| 21 200-210 | 81.7 | 84.0 | 85.3 | 85.7 | 85.5 | 85.5 | 85.5 | 85.9 | 85.9 | 87.0 |
| 22 210-220 | 82.2 | 84.3 | 86.2 | 87.0 | 87.5 | 87.8 | 88.0 | 88.0 | 88.0 | 88.1 |
| 23 220-230 | 82.3 | 85.3 | 85.9 | 87.3 | 88.6 | 88.8 | 89.1 | 89.2 | 89.2 | 89.3 |
| 24 230-240 | 82.9 | 85.7 | 87.5 | 88.7 | 89.5 | 89.9 | 90.3 | 90.4 | 90.4 | 90.5 |
| 25 240-250 | 83.1 | 86.1 | 88.2 | 89.5 | 90.3 | 91.2 | 91.3 | 91.9 | 91.9 | 92.0 |
| 26 250-260 | 83.3 | 86.4 | 88.9 | 90.5 | 92.2 | 92.5 | 93.5 | 93.7 | 93.7 | 93.8 |
| 27 260-270 | 83.3 | 86.5 | 89.1 | 91.1 | 93.0 | 93.5 | 93.9 | 95.5 | 95.8 | 95.9 |
| 28 270-280 | 83.4 | 86.7 | 89.3 | 91.4 | 93.4 | 94.2 | 95.7 | 95.5 | 96.2 | 97.0 |
| 29 280-290 | 83.4 | 86.7 | 89.3 | 91.5 | 93.6 | 94.3 | 95.0 | 95.9 | 96.9 | 97.0 |
| 30 290-300 | 83.4 | 86.7 | 89.3 | 91.5 | 93.5 | 94.4 | 95.1 | 97.0 | 97.1 | 97.2 |
| 31 300-310 | 83.4 | 86.7 | 89.3 | 91.5 | 93.5 | 94.4 | 95.1 | 97.0 | 97.1 | 97.2 |

TOTAL NUMBER OF OBSERVATIONS 7200

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

AREA 06

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV HOURS: ALL

VISIBILITY IN STATUTE MILES

| GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/3 | GE
1/4 | GE
0 |
|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 57.3 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.6 |
| 58.3 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 58.5 | 58.5 | 58.5 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.9 | 58.9 |
| 58.5 | 58.5 | 58.5 | 58.5 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 |
| 58.9 | 59.0 | 59.0 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 |
| 59.7 | 59.7 | 59.8 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 60.0 |
| 67.0 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 |
| 67.2 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 |
| 69.2 | 69.3 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 70.3 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.6 |
| 71.0 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 |
| 72.0 | 72.0 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.3 |
| 72.5 | 72.5 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 74.3 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 |
| 75.1 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.5 |
| 75.5 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 |
| 75.5 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 80.3 | 81.0 | 81.0 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 81.5 | 81.7 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 83.0 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 |
| 85.0 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 |
| 85.5 | 85.6 | 85.9 | 85.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 |
| 87.2 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 |
| 88.3 | 89.1 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 |
| 89.2 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 |
| 91.2 | 91.3 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 |
| 92.5 | 93.5 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 |
| 93.5 | 95.0 | 95.5 | 95.5 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 |
| 94.2 | 95.7 | 96.5 | 96.5 | 97.0 | 97.2 | 97.3 | 97.5 | 97.5 | 97.5 | 97.6 |
| 94.3 | 96.0 | 96.9 | 96.9 | 97.6 | 97.9 | 98.0 | 98.4 | 98.5 | 98.6 | 98.7 |
| 94.4 | 96.1 | 97.0 | 97.1 | 97.8 | 98.1 | 98.3 | 98.8 | 99.0 | 99.2 | 99.6 |
| 94.4 | 95.1 | 97.0 | 97.1 | 97.8 | 98.1 | 98.3 | 98.8 | 99.0 | 99.3 | 100.0 |

OPERATING LOCATION "A"
JSAFETAC, ASHTVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM MONTHLY OBSERVATION

STATION NUMBER: 721540

STATION NAME: TINKER ARB. OK
LST TO UTC: + 5

REF:
9747

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|------|------|------|------|-------|------|-------|-------|-----|
| | 7 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |
| NO CEIL | 55.3 | 55.7 | 55.9 | 55.9 | 55.9 | 55.9 | 55.4 | 55.4 | 55.4 | 54. |
| GE 2000 | 51.1 | 51.5 | 51.7 | 51.5 | 51.3 | 51.3 | 52.2 | 52.2 | 52.2 | 52. |
| GE 1800 | 51.1 | 51.5 | 51.7 | 51.3 | 51.3 | 51.3 | 52.2 | 52.2 | 52.2 | 52. |
| GE 1600 | 51.1 | 51.5 | 51.7 | 51.3 | 51.3 | 51.3 | 52.2 | 52.2 | 52.2 | 52. |
| GE 1400 | 51.1 | 51.5 | 51.7 | 51.3 | 51.3 | 51.3 | 52.2 | 52.2 | 52.2 | 52. |
| GE 1200 | 52.2 | 52.5 | 52.5 | 52.9 | 52.9 | 52.9 | 53.2 | 53.2 | 53.2 | 53. |
| GE 1000 | 55.9 | 55.9 | 55.2 | 55.3 | 55.3 | 55.3 | 55.5 | 55.5 | 55.5 | 55. |
| GE 900 | 55.4 | 55.9 | 55.2 | 55.3 | 55.3 | 55.3 | 55.5 | 55.5 | 55.5 | 55. |
| GE 800 | 55.3 | 55.5 | 55.2 | 55.2 | 55.2 | 55.2 | 55.7 | 55.7 | 55.7 | 55. |
| GE 700 | 55.5 | 57.2 | 57.2 | 57.4 | 57.4 | 57.4 | 57.3 | 57.5 | 57.5 | 57. |
| GE 600 | 57.5 | 57.5 | 57.7 | 55.2 | 55.2 | 55.2 | 57.5 | 55.5 | 55.5 | 55. |
| GE 500 | 55.5 | 55.1 | 55.4 | 55.5 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55. |
| GE 400 | 55.1 | 57.7 | 70.2 | 70.2 | 70.4 | 70.4 | 71.9 | 71.9 | 71.9 | 71. |
| GE 300 | 70.2 | 71.2 | 71.3 | 71.7 | 71.9 | 71.9 | 72.5 | 72.5 | 72.5 | 72. |
| GE 250 | 71.7 | 72.2 | 72.7 | 73.2 | 73.4 | 73.4 | 74.2 | 74.2 | 74.2 | 74. |
| GE 200 | 71.9 | 72.5 | 72.7 | 73.4 | 73.7 | 73.7 | 74.2 | 74.2 | 74.2 | 74. |
| GE 150 | 75.1 | 75.7 | 74.1 | 74.5 | 74.3 | 74.3 | 75.4 | 75.4 | 75.4 | 75. |
| GE 100 | 75.1 | 75.1 | 75.5 | 77.2 | 77.5 | 77.5 | 77.1 | 77.1 | 77.1 | 77. |
| GE 50 | 75.5 | 75.2 | 77.3 | 75.2 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 | 73. |
| GE 1500 | 75.7 | 75.2 | 75.5 | 73.2 | 73.5 | 73.7 | 73.2 | 73.2 | 73.2 | 73. |
| GE 1200 | 75.4 | 75.4 | 71.2 | 71.7 | 72.2 | 72.4 | 72.9 | 72.9 | 72.9 | 72. |
| GE 1000 | 75.3 | 71.7 | 72.5 | 73.3 | 73.9 | 74.2 | 74.7 | 74.7 | 74.7 | 74. |
| GE 900 | 80.5 | 82.2 | 82.7 | 83.5 | 84.3 | 84.5 | 85.2 | 85.2 | 85.2 | 85. |
| GE 800 | 81.3 | 82.2 | 83.5 | 84.4 | 84.3 | 85.3 | 85.2 | 85.1 | 85.1 | 85. |
| GE 700 | 81.3 | 83.2 | 85.2 | 86.2 | 87.2 | 87.5 | 83.3 | 85.5 | 85.5 | 85. |
| GE 600 | 82.4 | 84.3 | 85.2 | 87.3 | 88.4 | 88.7 | 89.5 | 89.5 | 89.5 | 90. |
| GE 500 | 82.4 | 84.3 | 85.9 | 87.7 | 89.0 | 89.7 | 90.9 | 91.1 | 91.2 | 91. |
| GE 400 | 82.5 | 84.4 | 86.1 | 88.2 | 90.1 | 91.5 | 93.1 | 93.5 | 94.0 | 94. |
| GE 300 | 82.5 | 84.5 | 86.5 | 85.5 | 90.5 | 92.4 | 94.1 | 95.1 | 95.4 | 95. |
| GE 200 | 82.5 | 84.5 | 85.5 | 88.5 | 90.5 | 92.5 | 94.3 | 95.4 | 95.7 | 95. |
| GE 100 | 82.5 | 84.5 | 85.5 | 88.5 | 90.5 | 92.5 | 94.3 | 95.4 | 95.7 | 95. |
| GE 50 | 82.5 | 84.5 | 85.5 | 88.5 | 90.5 | 92.5 | 94.3 | 95.4 | 95.7 | 95. |

TOTAL NUMBER OF OBSERVATIONS 930

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

1453 JK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 00-02

..... VISIBILITY IN STATUTE MILES

| 0 | GE | GE | GE | GE | GE | GE | GE | GE | GE | GE |
|-------|------|-------|-------|------|------|------|------|------|------|-------|
| 1 1/2 | 2 | 1 1/2 | 1 1/4 | 1 | 3/4 | 5/8 | 1/2 | 3/4 | 1/4 | 0 |
| 59.0 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 |
| 61.3 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 |
| 61.3 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 |
| 61.3 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 |
| 61.3 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 |
| 62.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 |
| 65.3 | 65.5 | 65.6 | 65.5 | 65.5 | 65.5 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 |
| 65.3 | 65.6 | 65.6 | 65.5 | 65.5 | 65.5 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 |
| 66.2 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 66.8 | 66.8 | 66.8 |
| 67.4 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 68.0 | 68.0 | 68.0 | 68.0 |
| 68.2 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 |
| 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 |
| 70.4 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 |
| 71.0 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 |
| 73.4 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 |
| 73.7 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 |
| 75.7 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 |
| 77.5 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 |
| 78.3 | 78.5 | 78.5 | 78.3 | 78.3 | 78.3 | 78.3 | 78.9 | 78.9 | 78.9 | 78.9 |
| 79.7 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 |
| 82.4 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 |
| 84.2 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 |
| 85.5 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 |
| 86.3 | 86.0 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 |
| 87.5 | 88.3 | 88.5 | 88.5 | 88.7 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 |
| 88.7 | 89.5 | 89.3 | 89.3 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 |
| 91.7 | 90.9 | 91.1 | 91.2 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 |
| 91.5 | 93.1 | 93.2 | 94.0 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 |
| 92.4 | 94.1 | 95.1 | 95.4 | 96.1 | 96.3 | 96.3 | 96.5 | 96.5 | 96.7 | 96.5 |
| 92.5 | 94.3 | 95.4 | 95.7 | 96.5 | 97.0 | 97.0 | 97.2 | 97.2 | 97.5 | 97.7 |
| 92.5 | 94.3 | 95.4 | 95.7 | 96.7 | 97.3 | 97.4 | 97.7 | 98.0 | 98.3 | 98.9 |
| 92.5 | 94.3 | 95.4 | 95.7 | 96.7 | 97.3 | 97.4 | 97.7 | 98.0 | 98.3 | 100.0 |

PERCENTAGE FREQUENCY OF OCCURRENCE
OF THE FOLLOWING

STATION NAME: LINCOLN AFB TX
LST TO DTC: + 6

TOTAL NUMBER OF RESERVATIONS 030

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HELICOPTER OBSERVATIONS

TO : DIRECTOR, FBI
FROM : SAC, NEW YORK (100-100000)
SUBJECT: [REDACTED]

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: DEC HOURS: 03-05

VISIBILITY IN STATUTE MILES[illegible]

OPERATING LOCATION: WAW
USAFHAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATIONS

STATION NUMBER: 705540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| CEILING
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|--------------|----------|
| | GE
2 | GF
3 | GE
4 | GF
5 | GE
6 | GF
7 1/2 | GE
8 | GF
9 1/2 | GF
10 1/4 | GF
11 |
| NO CEIL | 50.0 | 51.7 | 51.8 | 52.5 | 52.5 | 52.5 | 52.7 | 52.8 | 52.9 | 52.9 |
| GE 20000 | 54.1 | 54.2 | 54.1 | 55.7 | 55.7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 |
| GF 18000 | 54.1 | 54.9 | 55.1 | 55.7 | 55.7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 |
| GF 16000 | 54.1 | 54.9 | 55.1 | 55.7 | 55.7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 |
| GF 14000 | 54.1 | 54.9 | 55.1 | 55.7 | 55.7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 |
| GF 12000 | 54.0 | 55.5 | 55.5 | 55.5 | 55.2 | 55.2 | 55.5 | 55.5 | 55.5 | 55.5 |
| GF 10000 | 57.5 | 58.4 | 59.5 | 59.1 | 59.1 | 59.1 | 59.4 | 59.5 | 59.5 | 59.7 |
| GF 8000 | 57.5 | 58.7 | 58.3 | 59.5 | 59.5 | 59.5 | 59.7 | 59.5 | 59.5 | 59.5 |
| GF 6000 | 59.2 | 59.5 | 59.0 | 61.5 | 61.5 | 61.5 | 61.5 | 61.2 | 61.2 | 62.2 |
| GF 4000 | 61.1 | 62.0 | 62.2 | 62.0 | 62.0 | 62.0 | 62.0 | 62.2 | 62.2 | 63.3 |
| GF 2000 | 61.4 | 61.4 | 62.5 | 63.1 | 63.1 | 63.1 | 63.4 | 63.5 | 63.5 | 62.5 |
| GF 1000 | 62.5 | 63.3 | 63.7 | 64.3 | 64.3 | 64.3 | 64.5 | 64.7 | 64.7 | 64.5 |
| GF 400 | 62.2 | 64.2 | 64.3 | 64.9 | 64.9 | 64.9 | 65.2 | 65.4 | 65.4 | 65.5 |
| GF 200 | 64.0 | 65.5 | 65.7 | 66.5 | 66.7 | 66.7 | 66.3 | 67.1 | 67.1 | 67.2 |
| GF 100 | 65.5 | 66.5 | 66.7 | 67.5 | 68.1 | 68.1 | 67.2 | 68.5 | 68.5 | 68.7 |
| GF 50 | 65.5 | 67.1 | 67.2 | 68.0 | 68.4 | 68.4 | 68.7 | 68.9 | 68.9 | 69.1 |
| GF 25 | 68.9 | 68.3 | 68.4 | 69.2 | 69.7 | 69.7 | 70.0 | 70.2 | 70.2 | 70.4 |
| GF 10 | 69.5 | 70.5 | 70.4 | 71.4 | 71.3 | 71.5 | 72.2 | 72.4 | 72.4 | 72.5 |
| GF 5 | 69.8 | 71.5 | 71.5 | 72.5 | 73.0 | 73.0 | 73.3 | 73.5 | 73.5 | 73.7 |
| GF 1 | 71.0 | 73.2 | 73.5 | 74.5 | 75.4 | 75.4 | 75.7 | 75.9 | 75.9 | 76.1 |
| GF 0 | 73.5 | 75.7 | 75.1 | 77.2 | 77.3 | 77.5 | 78.2 | 78.4 | 78.5 | 78.7 |
| GF 10000 | 74.7 | 77.4 | 77.3 | 78.9 | 79.7 | 79.7 | 80.3 | 80.2 | 80.3 | 80.5 |
| GF 8000 | 75.5 | 77.7 | 78.7 | 79.3 | 80.5 | 80.5 | 80.9 | 81.1 | 81.2 | 81.5 |
| GF 6000 | 75.5 | 78.1 | 80.0 | 81.5 | 82.3 | 82.3 | 82.5 | 82.7 | 82.9 | 83.2 |
| GF 4000 | 75.2 | 77.4 | 81.1 | 82.5 | 83.4 | 83.5 | 84.3 | 84.5 | 84.6 | 85.2 |
| GF 2000 | 77.3 | 78.5 | 82.5 | 84.3 | 85.5 | 85.9 | 86.9 | 87.2 | 87.3 | 87.5 |
| GF 1000 | 77.7 | 81.4 | 83.9 | 85.9 | 87.5 | 88.0 | 89.2 | 89.7 | 89.8 | 89.4 |
| GF 800 | 78.2 | 82.3 | 84.5 | 87.1 | 88.9 | 89.7 | 91.1 | 91.5 | 91.7 | 92.5 |
| GF 600 | 78.2 | 82.3 | 84.5 | 87.1 | 88.9 | 89.9 | 91.9 | 92.3 | 93.3 | 94.5 |
| GF 400 | 78.2 | 82.3 | 84.5 | 87.1 | 88.9 | 90.0 | 92.4 | 93.3 | 93.9 | 95.7 |
| GF 200 | 78.2 | 82.3 | 84.5 | 87.1 | 88.9 | 90.0 | 92.4 | 93.4 | 94.1 | 95.0 |
| GF 100 | 78.2 | 82.3 | 84.5 | 87.1 | 88.9 | 90.0 | 92.4 | 93.4 | 94.1 | 95.0 |

TOTAL NUMBER OF OBSERVATIONS 240

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WICKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89

MONTH: DEC HOURS: 06-08

VISIBILITY IN STATUTE MILES

| | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/5 | GE
1/4 | GE
0 |
|----|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 6 | 52.5 | 52.7 | 52.8 | 52.8 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| 7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 7 | 55.7 | 55.9 | 56.0 | 56.0 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 8 | 56.2 | 56.5 | 56.5 | 56.5 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| 9 | 59.1 | 59.4 | 59.5 | 59.5 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 9 | 59.5 | 59.7 | 59.8 | 59.8 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 9 | 61.6 | 61.8 | 61.9 | 61.9 | 62.2 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| 9 | 62.8 | 63.0 | 63.2 | 63.2 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| 11 | 63.1 | 63.3 | 63.5 | 63.5 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 12 | 64.3 | 64.5 | 64.7 | 64.7 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| 12 | 64.9 | 65.2 | 65.4 | 65.4 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| 12 | 66.7 | 66.9 | 67.1 | 67.1 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 12 | 68.1 | 68.3 | 68.5 | 68.5 | 68.7 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| 13 | 69.4 | 69.7 | 69.9 | 69.9 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 14 | 70.7 | 70.8 | 70.2 | 70.2 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 14 | 71.8 | 72.2 | 72.4 | 72.4 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 14 | 73.0 | 73.3 | 73.5 | 73.5 | 73.6 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 14 | 75.4 | 75.7 | 75.9 | 75.9 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 14 | 77.6 | 78.2 | 78.4 | 78.5 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| 17 | 79.7 | 80.0 | 80.2 | 80.3 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 18 | 80.5 | 80.9 | 81.1 | 81.2 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 18 | 82.3 | 82.5 | 82.8 | 82.9 | 83.2 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 |
| 18 | 83.5 | 84.3 | 84.5 | 84.6 | 85.2 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 |
| 18 | 85.8 | 86.9 | 87.2 | 87.3 | 87.8 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 |
| 19 | 88.9 | 89.2 | 89.7 | 89.8 | 90.4 | 90.5 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 |
| 19 | 89.7 | 91.1 | 91.5 | 91.7 | 92.5 | 92.6 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 |
| 19 | 89.9 | 91.9 | 92.9 | 93.3 | 94.6 | 94.9 | 94.9 | 95.4 | 95.4 | 95.4 | 95.4 |
| 19 | 90.0 | 92.4 | 93.3 | 93.9 | 95.7 | 96.2 | 96.2 | 96.9 | 96.9 | 96.9 | 96.9 |
| 19 | 90.0 | 92.4 | 93.4 | 94.1 | 96.0 | 96.7 | 96.7 | 97.4 | 97.6 | 98.2 | 98.5 |
| 19 | 90.0 | 92.4 | 93.4 | 94.1 | 96.0 | 96.7 | 96.7 | 97.4 | 97.6 | 98.2 | 100.0 |

OPERATING LOCATION "A"
USAFSTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 59.3 | 59.5 | 59.4 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| GE 30000 | 54.2 | 57.1 | 57.3 | 57.5 | 57.7 | 57.7 | 57.1 | 57.3 | 57.2 | 57.1 |
| GE 18000 | 54.3 | 57.5 | 57.3 | 58.2 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 16000 | 54.2 | 57.5 | 57.3 | 58.2 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 |
| GE 14000 | 56.5 | 57.7 | 58.0 | 58.3 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 |
| GE 12000 | 57.4 | 58.5 | 59.1 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| GE 10000 | 58.4 | 61.7 | 62.2 | 62.5 | 62.7 | 62.7 | 62.3 | 62.9 | 62.9 | 62.9 |
| GE 8000 | 63.8 | 61.9 | 62.4 | 62.7 | 62.9 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 |
| GE 6000 | 62.2 | 63.4 | 64.1 | 64.4 | 64.5 | 64.7 | 64.3 | 64.9 | 64.7 | 64.5 |
| GE 7000 | 63.3 | 64.7 | 65.4 | 65.7 | 65.9 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 |
| GE 6000 | 63.5 | 64.7 | 65.5 | 65.9 | 66.1 | 66.2 | 66.5 | 66.5 | 66.5 | 66.5 |
| GE 5000 | 64.1 | 67.5 | 68.2 | 68.5 | 68.8 | 68.9 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 4500 | 66.5 | 68.1 | 68.5 | 67.1 | 67.3 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 4000 | 68.5 | 68.1 | 68.9 | 69.5 | 69.7 | 69.3 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 3500 | 66.3 | 68.4 | 69.4 | 69.9 | 70.1 | 70.2 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 3000 | 67.1 | 68.5 | 69.7 | 70.2 | 70.5 | 70.5 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 2500 | 68.3 | 69.9 | 71.1 | 71.5 | 71.9 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 2000 | 70.5 | 71.3 | 73.0 | 73.5 | 73.9 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 1500 | 72.0 | 71.9 | 73.0 | 73.5 | 73.9 | 74.0 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 1300 | 72.4 | 74.2 | 75.5 | 76.1 | 76.5 | 76.5 | 76.5 | 76.3 | 76.5 | 76.5 |
| GE 1200 | 73.7 | 75.9 | 77.4 | 78.2 | 78.5 | 78.7 | 78.3 | 78.9 | 78.9 | 78.9 |
| GE 1000 | 74.7 | 77.3 | 79.4 | 80.1 | 80.5 | 80.3 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 900 | 75.1 | 77.3 | 80.1 | 80.9 | 81.4 | 81.5 | 81.3 | 81.5 | 81.2 | 81.5 |
| GE 800 | 75.5 | 78.4 | 81.4 | 82.2 | 82.9 | 83.2 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 700 | 75.3 | 79.2 | 82.5 | 83.7 | 84.6 | 84.9 | 85.7 | 85.9 | 85.5 | 85.3 |
| GE 600 | 75.5 | 79.5 | 83.5 | 84.0 | 85.5 | 86.1 | 87.2 | 87.4 | 87.4 | 87.7 |
| GE 500 | 76.3 | 83.0 | 84.2 | 85.5 | 87.3 | 87.3 | 88.5 | 89.0 | 89.0 | 89.5 |
| GE 400 | 76.2 | 83.3 | 84.5 | 86.2 | 88.4 | 89.1 | 91.1 | 91.9 | 92.0 | 92.5 |
| GE 300 | 76.3 | 83.3 | 84.5 | 86.5 | 88.5 | 89.3 | 92.5 | 94.0 | 94.2 | 95.3 |
| GE 200 | 76.2 | 83.3 | 84.5 | 86.5 | 88.9 | 89.9 | 92.7 | 94.2 | 94.4 | 95.2 |
| GE 100 | 76.9 | 83.3 | 84.5 | 86.5 | 88.9 | 89.9 | 92.7 | 94.2 | 94.4 | 95.5 |
| GE 50 | 76.9 | 83.3 | 84.5 | 86.5 | 88.9 | 89.9 | 92.7 | 94.2 | 94.4 | 95.5 |

TOTAL NUMBER OF OBSERVATIONS 930

AGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

LAKE MEAD

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 09-11

| | | | | | | | | | | |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| VISIBILITY IN STATUTE MILES | | | | | | | | | | |
| GE
1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| | | | | | | | | | | |
| 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 57.7 | 57.3 | 57.2 | 57.3 | 57.5 | 57.3 | 57.3 | 57.3 | 57.5 | 57.3 | 57.5 |
| 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 62.7 | 62.2 | 62.9 | 62.9 | 62.9 | 62.5 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 64.7 | 64.2 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 66.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 67.7 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 70.3 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 70.2 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 70.5 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 74.0 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 76.5 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 81.3 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 81.5 | 81.3 | 81.3 | 81.3 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 83.2 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 84.9 | 85.7 | 85.8 | 85.8 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 86.1 | 87.2 | 87.4 | 87.4 | 87.7 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 87.3 | 89.5 | 90.0 | 90.0 | 90.5 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 |
| 92.1 | 91.1 | 91.9 | 92.0 | 92.5 | 93.3 | 93.3 | 93.4 | 93.5 | 93.5 | 93.5 |
| 93.3 | 92.5 | 94.0 | 94.2 | 95.9 | 96.6 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 |
| 92.9 | 92.7 | 94.2 | 94.4 | 96.2 | 97.4 | 97.6 | 98.0 | 98.2 | 98.3 | 98.4 |
| 92.9 | 92.7 | 94.2 | 94.4 | 95.5 | 97.5 | 97.3 | 98.3 | 98.5 | 98.3 | 99.7 |
| 92.9 | 92.7 | 94.2 | 94.4 | 96.5 | 97.6 | 97.8 | 98.3 | 98.5 | 98.8 | 100.0 |
| | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 50.3 | 50.4 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| GE 20000 | 50.3 | 50.4 | 50.4 | 50.3 | 50.6 | 50.3 | 50.3 | 50.6 | 50.3 | 50.3 |
| GE 18000 | 50.5 | 50.5 | 50.6 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 16000 | 50.5 | 50.5 | 50.5 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 14000 | 50.5 | 50.5 | 50.6 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| GE 12000 | 52.2 | 52.3 | 52.3 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| GE 10000 | 55.2 | 55.3 | 55.3 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| GE 9000 | 55.2 | 55.5 | 55.5 | 55.3 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| GE 8000 | 57.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| GE 7000 | 59.2 | 59.2 | 59.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 6000 | 70.2 | 70.2 | 70.2 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 5000 | 70.2 | 70.4 | 70.4 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 4500 | 71.4 | 71.5 | 71.5 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 4000 | 73.4 | 73.7 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| GE 3500 | 73.7 | 73.9 | 73.9 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| GE 3000 | 74.1 | 74.3 | 74.5 | 74.9 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 2500 | 75.4 | 75.5 | 75.1 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 2000 | 77.4 | 77.5 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 1800 | 77.7 | 77.2 | 77.5 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 1500 | 79.2 | 80.8 | 81.3 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 1200 | 81.5 | 82.9 | 84.2 | 84.5 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 1000 | 82.3 | 83.3 | 85.2 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 900 | 82.4 | 84.3 | 85.7 | 86.5 | 87.2 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 |
| GE 800 | 83.2 | 85.4 | 86.9 | 88.3 | 89.2 | 89.5 | 89.7 | 89.8 | 89.8 | 89.8 |
| GE 700 | 84.1 | 85.3 | 88.1 | 89.8 | 89.9 | 91.2 | 92.0 | 92.2 | 92.2 | 92.2 |
| GE 600 | 84.1 | 85.5 | 88.5 | 91.0 | 92.3 | 92.5 | 93.7 | 93.8 | 93.8 | 93.8 |
| GE 500 | 84.1 | 85.5 | 88.8 | 91.3 | 92.9 | 93.2 | 94.4 | 94.5 | 94.5 | 94.5 |
| GE 400 | 84.1 | 85.5 | 88.3 | 91.4 | 93.5 | 94.0 | 95.7 | 95.3 | 95.3 | 95.3 |
| GE 300 | 84.2 | 85.7 | 89.2 | 92.0 | 94.4 | 94.8 | 95.5 | 97.5 | 97.5 | 97.7 |
| GE 200 | 84.2 | 85.7 | 89.4 | 92.2 | 94.5 | 94.9 | 95.9 | 97.7 | 98.0 | 98.3 |
| GE 100 | 84.2 | 85.7 | 89.4 | 92.2 | 94.5 | 94.9 | 95.9 | 97.7 | 98.0 | 98.3 |
| GE 000 | 84.2 | 85.7 | 89.4 | 92.2 | 94.5 | 94.9 | 95.9 | 97.7 | 98.0 | 98.3 |

TOTAL NUMBER OF OBSERVATIONS 930

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: WFO

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 12-14

..... VISIBILITY IN STATUTE MILES

| | GE
1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/4 | GE
1/4 | GE
0 |
|-------|-----------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PER
CENT

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CLIL | 60.4 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61 |
| GE 20000 | 59.1 | 59.9 | 59.2 | 59.3 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59 |
| GE 18000 | 59.1 | 59.9 | 59.2 | 59.3 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59 |
| GE 16000 | 59.5 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59 |
| GE 14000 | 59.5 | 59.5 | 59.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61 |
| GE 12000 | 61.0 | 61.7 | 62.0 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62 |
| GE 10000 | 64.3 | 65.9 | 66.3 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66 |
| GE 9000 | 65.4 | 66.3 | 66.3 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66 |
| GE 8000 | 67.0 | 68.0 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69 |
| GE 7000 | 69.5 | 70.4 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71 |
| GE 6000 | 69.7 | 70.1 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71 |
| GE 5000 | 71.4 | 71.7 | 72.5 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72 |
| GE 4500 | 71.2 | 73.1 | 74.0 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74 |
| GE 4000 | 73.4 | 74.4 | 75.3 | 75.3 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75 |
| GE 3500 | 73.7 | 74.7 | 75.5 | 75.5 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75 |
| GE 3000 | 75.1 | 75.5 | 77.2 | 77.5 | 77.5 | 77.6 | 77.7 | 77.7 | 77.7 | 77 |
| GE 2500 | 75.1 | 77.4 | 78.3 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 78 |
| GE 2000 | 77.2 | 80.5 | 81.5 | 81.7 | 81.9 | 81.9 | 82.2 | 82.2 | 82.2 | 82 |
| GE 1800 | 78.2 | 81.0 | 81.9 | 82.2 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82 |
| GE 1600 | 80.5 | 82.5 | 83.5 | 84.2 | 84.4 | 84.5 | 84.7 | 84.7 | 84.7 | 84 |
| GE 1200 | 82.4 | 84.5 | 86.3 | 86.5 | 86.5 | 86.9 | 87.2 | 87.3 | 87.5 | 87 |
| GE 1000 | 83.7 | 85.2 | 86.3 | 87.5 | 87.7 | 87.8 | 88.3 | 88.3 | 88.3 | 88 |
| GE 900 | 83.7 | 85.0 | 87.7 | 88.3 | 89.1 | 89.2 | 89.7 | 89.7 | 89.7 | 89 |
| GE 800 | 83.9 | 85.5 | 88.5 | 89.7 | 90.3 | 90.4 | 91.2 | 91.2 | 91.2 | 91 |
| GE 700 | 84.4 | 87.2 | 89.7 | 91.3 | 91.3 | 92.0 | 93.3 | 93.3 | 93.4 | 93 |
| GE 600 | 84.5 | 87.3 | 90.2 | 92.2 | 92.3 | 93.0 | 94.5 | 94.7 | 94.5 | 94 |
| GE 500 | 84.5 | 87.3 | 90.4 | 92.5 | 93.3 | 93.5 | 95.1 | 95.5 | 95.5 | 95 |
| GE 400 | 84.5 | 87.4 | 90.5 | 93.1 | 94.0 | 94.3 | 95.3 | 95.3 | 95.9 | 97 |
| GE 300 | 84.5 | 87.4 | 90.9 | 93.5 | 94.4 | 94.7 | 95.9 | 97.5 | 97.7 | 98 |
| GE 200 | 84.5 | 87.4 | 90.9 | 93.5 | 94.4 | 94.7 | 97.0 | 97.5 | 97.4 | 98 |
| GE 100 | 84.5 | 87.4 | 90.9 | 93.5 | 94.4 | 94.7 | 97.1 | 97.7 | 93.0 | 98 |

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
C: + 6

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 15-17

VISIBILITY IN STATUTE MILES

| GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 81.9 | 81.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 85.3 | 85.9 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 87.7 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 89.1 | 89.2 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 90.3 | 90.4 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 91.2 | 92.0 | 93.3 | 93.3 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 92.3 | 93.0 | 94.5 | 94.7 | 94.8 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 93.3 | 93.5 | 95.1 | 95.5 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 94.2 | 94.3 | 95.3 | 95.3 | 95.9 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 94.4 | 94.7 | 95.7 | 97.5 | 97.7 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| 94.4 | 94.7 | 97.0 | 97.5 | 97.8 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 99.2 | 99.4 |
| 94.4 | 94.7 | 97.1 | 97.7 | 98.0 | 98.5 | 99.0 | 99.0 | 99.1 | 99.1 | 99.5 | 99.9 |
| 94.4 | 94.7 | 97.1 | 97.7 | 98.0 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.5 | 100.0 |

OPERATING LOCATION: WAW
 USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 703540

STATION NAME: TINKER AFB OK
 LOT TO UTC: + 6

PERI
 MENT

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|
| | GE
7 | GE
6 | GE
5 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 |
| NO CEIL | 65.9 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| GE 20000 | 61.5 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 18000 | 61.5 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 16000 | 61.5 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 14000 | 61.5 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| GE 12000 | 63.1 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 10000 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 8000 | 67.5 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 6000 | 67.7 | 67.8 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| GE 5000 | 70.0 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 4000 | 70.2 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 3000 | 72.0 | 72.5 | 72.7 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| GE 2000 | 74.0 | 74.1 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| GE 1800 | 74.0 | 75.5 | 75.5 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 1600 | 75.2 | 75.5 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 1400 | 75.5 | 77.1 | 77.3 | 77.5 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 1200 | 77.4 | 78.1 | 78.3 | 78.5 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 1000 | 78.5 | 79.2 | 79.7 | 80.1 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 800 | 79.4 | 80.2 | 80.5 | 81.1 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 600 | 80.5 | 81.5 | 82.5 | 82.9 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 400 | 82.2 | 83.5 | 84.5 | 85.2 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 300 | 83.2 | 84.7 | 85.0 | 85.3 | 87.3 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 200 | 83.7 | 85.1 | 85.5 | 87.3 | 88.0 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 100 | 82.0 | 85.4 | 87.0 | 88.0 | 88.8 | 89.1 | 89.2 | 89.4 | 89.5 | 89.5 |
| GE 700 | 84.0 | 85.7 | 87.5 | 88.5 | 89.5 | 90.3 | 90.5 | 91.1 | 91.2 | 91.2 |
| GE 600 | 84.1 | 85.4 | 87.3 | 89.1 | 90.3 | 91.2 | 91.9 | 92.7 | 92.7 | 93.0 |
| GE 500 | 84.2 | 86.2 | 88.2 | 89.3 | 91.2 | 92.0 | 93.0 | 93.5 | 93.9 | 94.0 |
| GE 400 | 84.3 | 86.5 | 88.5 | 90.3 | 91.9 | 92.9 | 94.2 | 94.9 | 95.1 | 95.0 |
| GE 300 | 84.3 | 86.5 | 88.5 | 90.5 | 92.5 | 93.7 | 94.9 | 95.8 | 95.9 | 95.9 |
| GE 200 | 84.3 | 86.5 | 88.5 | 90.5 | 92.7 | 93.8 | 95.4 | 96.2 | 96.3 | 97.0 |
| GE 100 | 84.3 | 86.5 | 88.5 | 90.5 | 92.7 | 93.8 | 95.4 | 96.2 | 96.3 | 97.0 |
| GE 000 | 84.3 | 86.5 | 88.5 | 90.5 | 92.7 | 93.8 | 95.4 | 96.2 | 96.3 | 97.0 |

TOTAL NUMBER OF OBSERVATIONS 930

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 18-20

.....
LITY IN STATUTE MILES

| | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
|------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 |
| 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 |
| 89.2 | 89.4 | 89.5 | 89.7 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 |
| 90.5 | 91.1 | 91.2 | 91.4 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 |
| 91.9 | 92.7 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 |
| 93.0 | 93.8 | 93.9 | 94.1 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 |
| 94.2 | 94.9 | 95.1 | 95.3 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 |
| 95.3 | 95.8 | 95.9 | 96.5 | 97.2 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 |
| 95.4 | 96.2 | 96.3 | 97.1 | 98.1 | 98.2 | 98.2 | 98.8 | 99.0 | 99.0 | 99.1 |
| 95.4 | 96.2 | 96.3 | 97.1 | 98.2 | 98.3 | 98.3 | 99.1 | 99.6 | 99.7 | 99.9 |
| 95.4 | 96.2 | 96.3 | 97.1 | 98.2 | 98.3 | 98.3 | 99.1 | 99.6 | 99.7 | 100.0 |

.....

OPERATING LOCATION "A"
USAF TAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723740

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

SE
MO

| CEILING
IN
FEET | VISIBILITY IN STATUTE MILES | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|
| | GE
7 | GE
8 | GE
9 | GE
4 | GE
3 | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 |
| NO CEIL | 58.1 | 58.4 | 58.5 | 58.5 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 |
| GE 20000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 18000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 16000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 14000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 12000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 10000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 8000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 7000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 6000 | 58.5 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| GE 5000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 4500 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 4000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 3500 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 3000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 2500 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 2000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 1500 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 1000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 800 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 600 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 400 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 300 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 200 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 100 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 000 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |

TOTAL NUMBER OF OBSERVATIONS 230

TABLE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION: OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC HOURS: 21-23

| VISIBILITY IN STATUTE MILES | | | | | | | | | | |
|-----------------------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| GE
1 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

OPERATING LOCATION "A"
USAFETAC, ARNHEM, NETHERLANDS

PERCENTAGE FREQUENCY OF OCCURRENCE OF
FROM HOURLY OBSERVATION

STATION NUMBER: 703140

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

CEILING

VISIBILITY IN STATUTE MILES

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|------|---|---|---|---|---|-------|---|-------|-------|----|
| FEET | 7 | 8 | 9 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 1/4 | 1 |

| | | | | | | | | | | |
|----------|------|------|------|------|------|------|------|------|------|-----|
| NO CEIL | 53.6 | 54.0 | 54.1 | 54.3 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54. |
| 05 20000 | 53.6 | 53.2 | 53.4 | 53.5 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 54. |
| 01 14000 | 53.7 | 53.3 | 53.5 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53. |
| 05 16000 | 53.7 | 53.4 | 53.5 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53. |
| 04 14000 | 53.8 | 53.4 | 53.5 | 53.8 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 53. |
| 05 12000 | 53.8 | 53.7 | 53.8 | 54.0 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54. |
| 04 10000 | 54.0 | 54.1 | 54.2 | 54.2 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54. |
| 04 08000 | 54.0 | 54.2 | 54.3 | 54.7 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 | 53. |
| 05 06000 | 55.1 | 55.3 | 55.1 | 55.3 | 55.5 | 55.5 | 55.5 | 55.6 | 55.6 | 55. |
| 04 7000 | 56.8 | 57.3 | 57.4 | 57.6 | 57.8 | 57.8 | 58.2 | 58.2 | 58.2 | 57. |
| 04 6000 | 56.8 | 57.3 | 57.4 | 58.1 | 58.3 | 58.3 | 58.4 | 58.5 | 58.5 | 57. |
| 05 5000 | 57.6 | 58.3 | 58.7 | 58.9 | 59.1 | 59.1 | 59.3 | 59.3 | 59.3 | 58. |
| 05 4000 | 58.7 | 59.5 | 59.9 | 60.2 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60. |
| 05 4000 | 70.8 | 71.1 | 71.5 | 71.9 | 72.2 | 72.2 | 72.3 | 72.4 | 72.4 | 72. |
| 05 3500 | 70.9 | 71. | 72.2 | 72.5 | 72.9 | 72.9 | 73.1 | 73.1 | 73.1 | 73. |
| 05 3000 | 71.9 | 72.7 | 73. | 73.3 | 73.7 | 73.7 | 73.9 | 74.1 | 74.1 | 74. |
| 04 2500 | 73.7 | 73.7 | 74.3 | 74.7 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75. |
| 05 2000 | 74.4 | 74.7 | 75.4 | 75.8 | 76.3 | 76.3 | 76.5 | 76.5 | 76.5 | 77. |
| 05 1500 | 75.7 | 75.4 | 77.1 | 77.5 | 77.9 | 77.9 | 78.2 | 78.2 | 78.2 | 78. |
| 05 1500 | 76.7 | 76.9 | 79.1 | 79.7 | 80.1 | 80.2 | 80.4 | 80.4 | 80.4 | 80. |
| 04 1000 | 76.7 | 76.9 | 81.5 | 82.1 | 82.5 | 82.7 | 83.3 | 83.3 | 83.3 | 83. |
| 05 1000 | 78.6 | 81.5 | 82.9 | 83.7 | 84.5 | 84.7 | 84.8 | 84.8 | 84.8 | 84. |
| 05 0800 | 81.2 | 82.2 | 83.5 | 84.5 | 85.2 | 85.4 | 85.7 | 85.7 | 85.8 | 85. |
| 05 0800 | 83.7 | 82.9 | 84.5 | 85.7 | 86.5 | 86.7 | 87.2 | 87.2 | 87.3 | 87. |
| 04 7000 | 81.1 | 82.5 | 85.7 | 85.9 | 87.9 | 88.3 | 89.1 | 89.3 | 89.3 | 89. |
| 05 6000 | 81.5 | 86.1 | 85.3 | 87.9 | 89.9 | 89.5 | 90.7 | 90.9 | 91.0 | 91. |
| 05 5000 | 81.7 | 84.4 | 85.9 | 86.3 | 90.2 | 90.9 | 92.3 | 92.6 | 92.7 | 93. |
| 05 4000 | 81.9 | 84.6 | 87.2 | 89.3 | 91.1 | 92.0 | 93.0 | 94.3 | 94.4 | 94. |
| 05 3000 | 81.9 | 84.7 | 87.4 | 89.5 | 91.5 | 92.5 | 94.7 | 95.5 | 95.7 | 95. |
| 04 2000 | 81.9 | 84.7 | 87.4 | 89.7 | 91.5 | 92.7 | 94.9 | 95.3 | 95.9 | 97. |
| 05 1000 | 81.9 | 84.7 | 87.4 | 89.7 | 91.5 | 92.7 | 94.9 | 95.3 | 95.9 | 97. |
| 05 0800 | 81.9 | 84.7 | 87.4 | 89.7 | 91.5 | 92.7 | 94.9 | 95.3 | 95.9 | 97. |

TOTAL NUMBER OF OBSERVATIONS 7440

STAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION: W

PERIOD OF RECORD: MAR 77 - FEB 78
MONTH: DEC HOURS: ALL

VISIBILITY IN STATUTE MILES

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1/2 | 1 | 1 1/2 | 2 | 2 1/2 | 3 | 3 1/2 | 4 | 4 1/2 | 5 | 5 1/2 |
| 54.4 | 54.5 | 54.6 | 54.7 | 54.8 | 54.9 | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 |
| 55.7 | 55.8 | 55.9 | 56.0 | 56.1 | 56.2 | 56.3 | 56.4 | 56.5 | 56.6 | 56.7 |
| 56.8 | 56.9 | 57.0 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 |
| 57.9 | 58.0 | 58.1 | 58.2 | 58.3 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 |
| 59.0 | 59.1 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0 |
| 60.1 | 60.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0 | 61.1 |
| 61.2 | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 |
| 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 |
| 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0 | 64.1 | 64.2 | 64.3 | 64.4 |
| 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 |
| 65.6 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 | 66.4 | 66.5 | 66.6 |
| 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7 |
| 67.8 | 67.9 | 68.0 | 68.1 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.8 |
| 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 |
| 70.0 | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 |
| 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 |
| 72.2 | 72.3 | 72.4 | 72.5 | 72.6 | 72.7 | 72.8 | 72.9 | 73.0 | 73.1 | 73.2 |
| 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0 | 74.1 | 74.2 | 74.3 |
| 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 |
| 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 |
| 76.6 | 76.7 | 76.8 | 76.9 | 77.0 | 77.1 | 77.2 | 77.3 | 77.4 | 77.5 | 77.6 |
| 77.7 | 77.8 | 77.9 | 78.0 | 78.1 | 78.2 | 78.3 | 78.4 | 78.5 | 78.6 | 78.7 |
| 78.8 | 78.9 | 79.0 | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 |
| 79.9 | 80.0 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 |
| 81.0 | 81.1 | 81.2 | 81.3 | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0 |
| 82.1 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0 | 83.1 |
| 83.2 | 83.3 | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 |
| 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0 | 85.1 | 85.2 | 85.3 |
| 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 | 86.1 | 86.2 | 86.3 | 86.4 |
| 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 |
| 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 | 88.6 |
| 88.7 | 88.8 | 88.9 | 89.0 | 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | 89.7 |
| 89.8 | 89.9 | 90.0 | 90.1 | 90.2 | 90.3 | 90.4 | 90.5 | 90.6 | 90.7 | 90.8 |
| 90.9 | 91.0 | 91.1 | 91.2 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 |
| 92.0 | 92.1 | 92.2 | 92.3 | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 93.0 |
| 93.1 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 | 94.1 |
| 94.2 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0 | 95.1 | 95.2 |
| 95.3 | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 | 96.1 | 96.2 | 96.3 |
| 96.4 | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 |
| 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 |
| 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 |
| 99.7 | 99.8 | 99.9 | 100.0 | 100.1 | 100.2 | 100.3 | 100.4 | 100.5 | 100.6 | 100.7 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF C
FROM FOURTY OBSERVATIONS

2001
2002

DATE: 10/1/81 TIME: 11:53: 3765

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 70 - FEB 79
MONTH: ALL HOURS: ALL

| VISIBILITY IN STATUTE MILES | | | | | | | | | | | |
|-----------------------------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE
2 1/2 | GE
2 | GE
1 1/2 | GE
1 1/4 | GE
1 | GE
3/4 | GE
5/8 | GE
1/2 | GE
3/8 | GE
1/4 | GE
0 |
| 60.2 | 60.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.4 | 60.4 |
| 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 |
| 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 |
| 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 73.3 | 73.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 73.5 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 |
| 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 |
| 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 |
| 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 |
| 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 |
| 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 |
| 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 |
| 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 |
| 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 |
| 87.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 |
| 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 89.0 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 |
| 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.7 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 |
| 91.7 | 91.7 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 |
| 92.3 | 92.3 | 92.3 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 |
| 93.1 | 93.1 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.7 |
| 93.8 | 93.8 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| 94.6 | 94.6 | 95.0 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 |
| 96.3 | 96.3 | 96.2 | 96.2 | 96.2 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 96.9 | 96.9 | 96.9 | 97.2 | 97.2 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 |
| 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 |
| 98.4 | 98.4 | 97.5 | 98.2 | 98.1 | 98.5 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 |
| 98.8 | 98.4 | 97.5 | 98.0 | 98.1 | 98.5 | 98.8 | 98.8 | 99.2 | 99.3 | 99.5 | 99.7 |
| 99.4 | 99.4 | 97.5 | 98.0 | 98.1 | 98.5 | 98.9 | 98.9 | 99.2 | 99.3 | 99.5 | 100.0 |

OPERATING LOCATION "LM"
USAFBAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY C
FAIR HOURLY OBSERVATIONS

STATION NUMBER: 723843

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD
MONTH:

| PERIOD
(LST) | AIRWAY CLASSES | | | | TOTAL
OBSERVATIONS | BY
1/2 | 1/5 |
|-----------------|----------------|-----------|--------|----------|-----------------------|-----------|-----|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | |
| 03-02 | 62.5 | 16.6 | 9.6 | 23.1 | 2.4 | 41.1 | |
| 03-03 | 61.3 | 15.6 | 12.7 | 27.0 | 3.6 | 43.2 | |
| 04-03 | 54.0 | 16.1 | 14.2 | 27.4 | 4.7 | 41.5 | |
| 05-11 | 18.7 | 23.7 | 20.6 | 23.6 | 4.4 | 53.7 | |
| 12-14 | 16.7 | 22.3 | 19.9 | 31.1 | 1.9 | 52.9 | |
| 15-17 | 14.0 | 31.6 | 20.3 | 30.3 | 1.2 | 51.7 | |
| 18-20 | 24.0 | 26.0 | 19.3 | 30.4 | 1.7 | 47.5 | |
| 21-22 | 37.0 | 13.1 | 12.2 | 29.4 | 1.5 | 43.3 | |
| ALL
03-22 | 32.7 | 21.0 | 13.6 | 23.7 | 1.7 | 47.3 | |

MONTH:

| | | | | | | | |
|--------------|------|------|------|------|-----|------|--|
| 03-02 | 55.7 | 18.2 | 10.2 | 25.5 | 3.1 | 40.7 | |
| 04-02 | 54.7 | 17.4 | 11.1 | 35.7 | 2.0 | 40.3 | |
| 05-13 | 23.2 | 24.4 | 14.3 | 33.2 | 1.9 | 52.3 | |
| 06-11 | 17.6 | 24.2 | 15.7 | 37.6 | 4.7 | 53.3 | |
| 12-14 | 16.5 | 25.0 | 20.2 | 37.7 | 2.2 | 60.3 | |
| 15-17 | 11.3 | 26.6 | 22.1 | 37.3 | 2.1 | 53.1 | |
| 18-20 | 16.2 | 27.2 | 21.0 | 33.2 | 2.3 | 53.3 | |
| 21-23 | 23.2 | 23.2 | 12.1 | 33.2 | 2.2 | 43.2 | |
| ALL
03-23 | 22.3 | 23.1 | 15.8 | 35.2 | 3.2 | 44.3 | |

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

NAME: TINKER AFB OK
TIME: 4-5

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN HOURS: ALL

.....
AIRWAY CLASSES

| BROKEN | OVERCAST | TOTAL
DISCUSSION | BT
1/2 | PARTIAL
DISCUSSION | TOTAL
HRS |
|--------|----------|---------------------|-----------|-----------------------|--------------|
| 9.6 | 29.1 | 2.4 | 41.1 | 1.9 | 930 |
| 12.7 | 27.0 | 3.6 | 43.2 | 2.2 | 930 |
| 14.2 | 27.4 | 4.2 | 45.5 | 2.5 | 930 |
| 16.6 | 23.6 | 4.4 | 53.7 | 2.6 | 930 |
| 18.0 | 31.1 | 1.9 | 52.9 | 2.2 | 930 |
| 22.3 | 30.6 | 1.2 | 53.1 | 1.4 | 930 |
| 18.3 | 30.4 | 1.2 | 47.6 | 1.1 | 930 |
| 12.2 | 29.4 | 1.5 | 43.0 | 1.3 | 930 |
| 15.0 | 24.0 | 2.0 | 47.0 | 1.0 | 7440 |

.....

MONTH: FEB HOURS: ALL

| | | | | | |
|------|------|-----|------|-----|------|
| 10.2 | 35.5 | 3.1 | 44.3 | 2.4 | 840 |
| 11.1 | 35.7 | 2.5 | 41.3 | 3.7 | 846 |
| 14.3 | 33.2 | 4.9 | 52.4 | 3.4 | 840 |
| 16.7 | 37.6 | 4.7 | 53.0 | 3.1 | 849 |
| 20.2 | 37.7 | 2.2 | 60.3 | 2.7 | 840 |
| 20.1 | 37.3 | 2.1 | 52.1 | 1.5 | 840 |
| 21.0 | 33.0 | 2.6 | 56.0 | 1.5 | 846 |
| 12.1 | 33.0 | 2.2 | 43.2 | 1.9 | 846 |
| 15.6 | 35.5 | 3.2 | 44.3 | 2.0 | 5736 |

.....

OPERATING LOCATION: WAW
USAF TAC, ASHTVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723940

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

Page 1
0000

| TIME
(LST) | AIRWAY CLASSES | | | | TOTAL
OBSERVATION | ST
1/2 |
|---------------|----------------|-----------|--------|----------|----------------------|-----------|
| | CL-40 | SCATTERED | BOOKED | OVERCAST | | |
| 00-02 | 33.3 | 17.3 | 17.2 | 31.7 | 1.6 | 49.7 |
| 03-05 | 31.1 | 17.4 | 14.9 | 32.7 | 1.6 | 49.0 |
| 06-08 | 18.2 | 24.6 | 18.3 | 34.6 | 3.1 | 56.6 |
| 09-11 | 18.2 | 24.6 | 20.5 | 34.6 | 2.3 | 59.7 |
| 12-14 | 18.2 | 25.3 | 20.5 | 39.6 | | 63.7 |
| 15-17 | 9. | 22.2 | 23.7 | 31.3 | 1.7 | 60.2 |
| 18-20 | 18.1 | 26.1 | 19.2 | 31.2 | 1.6 | 57.7 |
| 21-23 | 31.1 | 13.6 | 17.1 | 37.5 | 1.4 | 53.1 |
| ALL
000000 | 21.7 | 22.2 | 19.0 | 36.1 | 1.9 | 59.1 |

Page 2

| | | | | | | |
|---------------|------|------|------|------|-----|------|
| 00-02 | 41.3 | 17.7 | 13.7 | 27.4 | 1.3 | 47.6 |
| 03-05 | 31.1 | 19.2 | 14.2 | 27.2 | 1.7 | 49.0 |
| 06-08 | 18. | 23.8 | 20.0 | 31.4 | 1.6 | 52.4 |
| 09-11 | 18.2 | 26.4 | 23.3 | 32.7 | | 56.6 |
| 12-14 | 18.2 | 27.7 | 26.7 | 30.2 | 1.1 | 60.2 |
| 15-17 | 18.2 | 34.1 | 26.3 | 26.7 | | 53.1 |
| 18-20 | 17.6 | 32.6 | 23.4 | 29.6 | 1.4 | 57.7 |
| 21-23 | 26.7 | 22.1 | 19.2 | 26.1 | 1.2 | 53.2 |
| ALL
000000 | 24.3 | 26.0 | 20.4 | 28.2 | 1.7 | 49.6 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NAME: TINKER AFB OK
TIME ZONE: + 6

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR HOURS: ALL

| AIRWAY CLASSES | | | | | | |
|----------------|----------|----------------------|-----------|------------------------|--------------|--|
| BROKEN | OVERCAST | TOTAL
OBSERVATION | BY
1/2 | PARTIAL
OBSERVATION | TOTAL
OBS | |
| 17.2 | 31.7 | .4 | 49.7 | .4 | 930 | |
| 14.9 | 32.7 | 1.4 | 49.0 | 1.3 | 930 | |
| 13.3 | 34.5 | 3.1 | 54.6 | 2.6 | 930 | |
| 20.6 | 35.0 | 2.3 | 59.7 | 1.6 | 930 | |
| 20.6 | 39.6 | | 60.2 | 1.0 | 930 | |
| 23.7 | 35.3 | .7 | 60.2 | .6 | 929 | |
| 19.2 | 33.2 | .3 | 57.7 | .6 | 930 | |
| 17.1 | 37.5 | .4 | 55.1 | .6 | 930 | |
| 13.0 | 35.0 | 1.0 | 59.0 | 1.0 | 7433 | |

MONTH: APR HOURS: ALL

| | | | | | | |
|------|------|-----|------|-----|------|--|
| 13.7 | 27.4 | 1.3 | 42.4 | 1.3 | 900 | |
| 14.3 | 27.0 | 1.7 | 43.3 | 1.7 | 900 | |
| 25.0 | 31.4 | 1.0 | 52.4 | 1.6 | 900 | |
| 23.3 | 32.7 | | 55.0 | 1.0 | 900 | |
| 25.7 | 30.0 | .1 | 55.3 | 1.0 | 900 | |
| 25.3 | 25.7 | | 53.0 | .3 | 900 | |
| 23.4 | 25.3 | .4 | 49.7 | .6 | 900 | |
| 19.2 | 25.1 | .0 | 43.2 | 1.7 | 900 | |
| 20.4 | 25.5 | .7 | 49.6 | 1.2 | 7200 | |

OPERATING LOCATION: "A"
 USAF TAC, ASH-VILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY
 FROM ACTIVELY OBSERVATIONS

STATION NUMBER: 72440

STATION NAME: TINKER AFB, OK
 LST TO HIC: + 6

PERIOD
 MONTH:

| HOURS
(LST) | AIRWAY CLASSES | | | | TOTAL
OCCURRENCE | OF
1/2 |
|----------------|----------------|-----------|--------|----------|---------------------|-----------|
| | CLIMB | SCATTERED | BROKEN | OVERCAST | | |
| 00-02 | 34.2 | 19.0 | 17.6 | 30.1 | 1.1 | 44.0 |
| 03-05 | 21.1 | 22.0 | 21.3 | 31.0 | 1.3 | 54.2 |
| 06-08 | 11.7 | 25.6 | 25.7 | 38.1 | .9 | 62.0 |
| 09-11 | 11.1 | 26.8 | 29.2 | 34.9 | | 63.7 |
| 12-14 | 7.1 | 29.6 | 30.1 | 32.3 | | 73.1 |
| 15-17 | 7.7 | 36.6 | 33.0 | 24.1 | .1 | 77.5 |
| 18-20 | 10.2 | 34.3 | 27.4 | 28.3 | .3 | 63.2 |
| 21-23 | 24.7 | 23.2 | 14.1 | 28.3 | .6 | 47.6 |
| ALL
00-24 | 17.1 | 29.1 | 25.2 | 33.0 | .7 | 55.0 |

| | | | | | | |
|--------------|------|------|------|------|----|------|
| 00-02 | 34.1 | 23.1 | 17.4 | 24.2 | .5 | 42.2 |
| 03-05 | 22.7 | 30.3 | 21.3 | 24.4 | .1 | 53.7 |
| 06-08 | 11.1 | 32.6 | 30.7 | 24.1 | .7 | 58.6 |
| 09-11 | 11.1 | 35.3 | 31.3 | 21.4 | .1 | 62.2 |
| 12-14 | 8.1 | 37.0 | 37.3 | 17.9 | .0 | 63.4 |
| 15-17 | 7.1 | 40.9 | 36.6 | 16.8 | .2 | 61.6 |
| 18-20 | 10.2 | 35.2 | 32.6 | 15.0 | | 48.6 |
| 21-23 | 32.1 | 27.2 | 20.7 | 20.2 | | 43.2 |
| ALL
00-24 | 17.2 | 32.4 | 24.3 | 20.3 | .3 | 49.3 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

NAME: TINKER AFB TX
IC: + 6

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY HOURS: ALL

| AIRWAY CLASSES | | | | | |
|----------------|----------|----------------------|-----------|------------------------|--------------|
| 100001 | OVERCAST | TOTAL
DISCURATION | ST
1/2 | PARTIAL
DISCURATION | TOTAL
HRS |
| 17.8 | 30.1 | 1.1 | 48.8 | 1.2 | 930 |
| 21.2 | 31.0 | 1.3 | 54.2 | 1.7 | 930 |
| 21.7 | 35.1 | .9 | 52.6 | 1.6 | 930 |
| 23.2 | 34.4 | | 53.7 | .4 | 930 |
| 30.1 | 32.3 | | 53.1 | .2 | 930 |
| 23.2 | 24.5 | .1 | 57.5 | .4 | 930 |
| 17.4 | 25.3 | .3 | 53.5 | .5 | 930 |
| 11.1 | 28.3 | .4 | 47.3 | .5 | 930 |
| 10.2 | 30.3 | .5 | 55.2 | .0 | 7440 |

MONTH: JUN HOURS: ALL

| | | | | | |
|------|------|----|------|-----|------|
| 17.4 | 24.2 | .5 | 42.2 | .4 | 900 |
| 21.3 | 24.4 | .5 | 45.8 | 1.3 | 900 |
| 30.7 | 24.1 | .7 | 55.4 | 2.0 | 900 |
| 21.3 | 21.4 | .1 | 52.2 | .4 | 900 |
| 37.3 | 14.9 | .2 | 56.4 | .4 | 900 |
| 36.5 | 16.8 | .2 | 51.5 | .3 | 900 |
| 32.5 | 15.0 | | 48.5 | .2 | 900 |
| 25.7 | 20.2 | | 45.9 | | 900 |
| 24.3 | 20.4 | .3 | 49.3 | .7 | 7200 |

OPERATING LOCATION: "A"
 INDIANAPOLIS, INDIANA

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 223540

STATION NAME: TINKER AFB IN
 LST TO UTC: + 6

PERI-
 MONTH

| TIME
(LST) | AIRWAY CLASSES | | | | TOTAL
PRECIPITATION | OF
1/2 |
|---------------|----------------|-----------|--------|----------|------------------------|-----------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | |
| 00-02 | 51.2 | 23.4 | 13.3 | 12.0 | | 25.4 |
| 03-05 | 41.1 | 25.3 | 14.7 | 11.9 | | 33.5 |
| 06-08 | 25.2 | 35.1 | 24.5 | 12.4 | | 31.1 |
| 09-11 | 25.7 | 37.3 | 22.5 | 13.9 | | 35.1 |
| 12-14 | 13.9 | 47.4 | 25.4 | 10.9 | | 39.1 |
| 15-17 | 11.2 | 55.9 | 25.9 | 5.0 | | 31.1 |
| 18-20 | 17.5 | 44.1 | 21.2 | 6.5 | .1 | 27.1 |
| 21-23 | 6.1 | 27.7 | 15.5 | 3.7 | | 24.1 |
| ALL
MONTH | 24.1 | 37.2 | 21.2 | 10.1 | .1 | 31.2 |

| | | | | | | |
|--------------|------|------|------|------|----|------|
| 00-02 | 34.1 | 27.3 | 17.5 | 18.5 | | 33.2 |
| 03-05 | 31.4 | 32.5 | 19.5 | 14.5 | .1 | 34.1 |
| 06-08 | 15.9 | 41.3 | 25.5 | 13.3 | .3 | 31.1 |
| 09-11 | 12.2 | 41.4 | 25.9 | 11.3 | | 35.7 |
| 12-14 | 5.1 | 52.2 | 25.5 | 11.4 | | 30.2 |
| 15-17 | 7.3 | 54.7 | 27.1 | 10.3 | .2 | 35.1 |
| 18-20 | 19.9 | 41.7 | 25.3 | 10.1 | | 31.4 |
| 21-23 | 32.9 | 35.5 | 15.5 | 12.7 | | 31.5 |
| ALL
MONTH | 22.7 | 40.3 | 24.4 | 12.5 | .1 | 35.2 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NAME: TINKER AFB OK
ELEVATION: + 6

PERIOD OF RECORD: MAR 79 - MAR 80
MONTH: JUL HOURS: ALL

AIRWAY CLASSES

| | BROKEN | OVERCAST | TOTAL
DISCURATION | OF
1/2 | PARTIAL
DISCURATION | TOTAL
HRS |
|----|--------|----------|----------------------|-----------|------------------------|--------------|
| 1. | 13.3 | 12.0 | | 25.4 | .9 | 930 |
| 2. | 18.7 | 11.9 | | 30.6 | 1.4 | 930 |
| 3. | 19.5 | 13.4 | | 32.9 | 1.6 | 930 |
| 4. | 22.5 | 13.9 | | 36.4 | .9 | 930 |
| 5. | 25.4 | 10.9 | | 36.3 | .3 | 930 |
| 6. | 25.0 | 5.7 | | 30.7 | .9 | 930 |
| 7. | 21.2 | 5.3 | .1 | 26.6 | .2 | 930 |
| 8. | 15.5 | 3.7 | | 19.2 | .3 | 930 |
| 9. | 21.0 | 10.1 | .1 | 31.2 | .4 | 7440 |

MONTH: ALL HOURS: ALL

| | | | | | | |
|----|------|------|----|------|-----|------|
| 1. | 17.5 | 15.5 | | 33.0 | 1.0 | 930 |
| 2. | 19.5 | 14.5 | .1 | 34.1 | 1.4 | 930 |
| 3. | 24.5 | 13.0 | .3 | 41.3 | 1.7 | 930 |
| 4. | 25.9 | 11.3 | | 37.2 | 1.3 | 930 |
| 5. | 23.5 | 11.4 | | 34.9 | 1.5 | 930 |
| 6. | 27.1 | 10.5 | .2 | 37.8 | 1.6 | 930 |
| 7. | 25.3 | 10.1 | | 35.4 | 1.3 | 930 |
| 8. | 15.3 | 12.7 | | 31.5 | 1.1 | 930 |
| 9. | 24.4 | 12.5 | .1 | 36.9 | 1.5 | 7440 |

OPERATING LOCATION "A"
 ISAFSTAC, ASH VILL, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF SA
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, MO
 LST TO UTC: + 6

2-1
 702

| HOURS
(LST) | AIRWAY CLASSES | | | | TOTAL
OCCURRENCE | ST
1/2 |
|----------------|----------------|-----------|--------|----------|---------------------|-----------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | |
| 00-02 | 43.3 | 24.7 | 17.9 | 17.6 | .4 | 34.3 |
| 03-05 | 37.7 | 26.6 | 19.4 | 15.2 | .0 | 34.2 |
| 06-08 | 1.1 | 37.7 | 23.3 | 15.2 | .0 | 34.2 |
| 09-11 | 31.7 | 35.1 | 22.0 | 21.6 | .1 | 33.7 |
| 12-14 | 1.1 | 35.7 | 25.8 | 20.9 | .0 | 37.5 |
| 15-17 | 16.7 | 37.9 | 23.0 | 15.0 | .0 | 34.2 |
| 18-20 | 24.0 | 35.7 | 24.3 | 14.2 | .0 | 34.1 |
| 21-23 | 37.3 | 31.3 | 15.0 | 16.4 | .1 | 31.3 |
| SUM | 24.7 | 33.2 | 22.2 | 17.1 | .1 | 34.2 |

| | | | | | | |
|-------|------|------|------|------|-----|------|
| 00-02 | 43.3 | 15.7 | 13.2 | 25.2 | 2.0 | 31.2 |
| 03-05 | 39.7 | 1.7 | 13.3 | 27.4 | 2.0 | 31.7 |
| 06-08 | 24.2 | 26.6 | 23.1 | 23.1 | 2.3 | 34.4 |
| 09-11 | 13.3 | 30.4 | 22.0 | 30.6 | .0 | 34.3 |
| 12-14 | 17.3 | 31.4 | 23.9 | 24.7 | .4 | 33.0 |
| 15-17 | 17.3 | 31.1 | 24.2 | 27.1 | .4 | 31.7 |
| 18-20 | 26.3 | 27.6 | 23.6 | 24.6 | .5 | 35.7 |
| 21-23 | 37.3 | 26.3 | 15.3 | 25.3 | .0 | 32.4 |
| SUM | 27.6 | 23.2 | 19.6 | 26.9 | 1.0 | 37.0 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

AIRPORT NAME: TINKER AFB TX
TIME ZONE: + 5

PERIOD OF RECORD: MAR 73 - FEB 80
MONTH: SEP HOURS: ALL

| AIRWAY CLASSES | | | | | |
|----------------|----------|----------------------|-----------|------------------------|--------------|
| WIKED | OVERCAST | TOTAL
OBSERVATION | GT
1/2 | PARTIAL
OBSERVATION | TOTAL
OBS |
| 12.8 | 17.6 | .4 | 34.3 | 1.2 | 900 |
| 10.4 | 16.2 | .5 | 36.2 | 2.2 | 900 |
| 10.5 | 16.2 | .5 | 35.8 | 2.4 | 900 |
| 20.0 | 21.6 | .1 | 43.7 | .4 | 900 |
| 25.4 | 20.0 | | 47.3 | .4 | 900 |
| 21.0 | 16.0 | | 50.0 | .7 | 900 |
| 24.5 | 14.2 | | 59.1 | .8 | 900 |
| 18.2 | 16.4 | .1 | 31.3 | .2 | 900 |
| 22.0 | 12.0 | .3 | 40.2 | 1.0 | 900 |

MONTH: OCT HOURS: ALL

| | | | | | |
|------|------|-----|------|-----|------|
| 13.2 | 25.2 | 2.1 | 41.2 | 2.2 | 930 |
| 13.7 | 25.4 | 2.4 | 41.7 | 4.1 | 930 |
| 23.1 | 23.1 | 2.3 | 53.4 | 4.2 | 930 |
| 22.0 | 30.5 | .3 | 53.5 | 3.2 | 930 |
| 23.2 | 23.7 | .4 | 53.0 | 1.1 | 930 |
| 24.2 | 27.1 | .4 | 51.7 | .5 | 930 |
| 20.5 | 24.6 | .5 | 45.7 | .5 | 930 |
| 18.3 | 25.3 | .8 | 42.4 | 1.5 | 930 |
| 19.6 | 26.9 | 1.3 | 47.4 | 2.2 | 9440 |

OPERATING LOCATION: WAW
 USARFAC, ANCHORAGE, AK

PERCENTAGE FREQUENCY OF OCCURANCE OF SKY
 FROM HELICOPTER OBSERVATIONS

STATION NUMBER: 723940

STATION NAME: HICKLE AR-18
 EST. TO HTO: 4.6

DATE:
 MONTH:

| WIND
(EST) | D.F. | STATIONED | EXPOSED | AIRWAY CLASSIFIED | | ST
1/2 |
|---------------|------|-----------|---------|-------------------|-----------------------|-----------|
| | | | | OVERCAST | TOTAL
OBSERVATIONS | |
| 00-02 | 43.3 | 16.1 | 15.6 | 27.2 | 2.7 | 43.3 |
| 03-05 | 41.7 | 16.6 | 15.7 | 23.9 | 2.8 | 44.3 |
| 06-07 | 22.2 | 22.1 | 17.2 | 24.3 | 2.7 | 47.7 |
| 08-11 | 12.2 | 27.4 | 19.3 | 33.9 | 2.1 | 47.7 |
| 12-14 | 17.2 | 25.2 | 22.1 | 31.4 | 1.1 | 42.4 |
| 15-17 | 19.2 | 25.2 | 22.1 | 25.6 | 1.1 | 47.7 |
| 18-20 | 15.2 | 25.2 | 15.3 | 22.4 | 1.1 | 47.7 |
| 21-23 | 15.2 | 15.2 | 12.2 | 27.2 | 1.1 | 41.7 |
| ALL | 16.1 | 25.2 | 17.2 | 27.2 | 1.1 | 47.7 |

| | | | | | | |
|-------|------|------|------|------|-----|------|
| 00-02 | 42.3 | 15.2 | 15.3 | 31.7 | 2.5 | 44.3 |
| 03-05 | 42.1 | 15.4 | 11.3 | 23.5 | 2.2 | 47.5 |
| 06-07 | 25.2 | 26.5 | 15.2 | 33.7 | 2.5 | 41.5 |
| 08-11 | 15.2 | 25.4 | 15.2 | 29.7 | 2.2 | 44.2 |
| 12-14 | 14.2 | 26.2 | 22.3 | 34.3 | 1.1 | 44.2 |
| 15-17 | 15.2 | 25.2 | 22.5 | 33.0 | 1.2 | 45.2 |
| 18-20 | 14.2 | 25.2 | 15.4 | 31.1 | 2.1 | 41.5 |
| 21-23 | 15.2 | 15.2 | 15.5 | 30.1 | 1.2 | 42.2 |
| ALL | 16.2 | 25.2 | 15.2 | 32.5 | 2.1 | 41.5 |

AD-A211 168

SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR

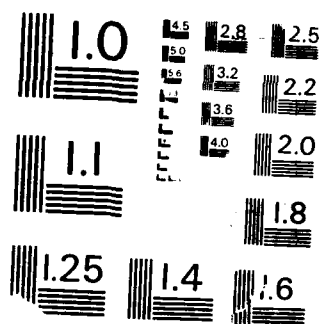
TINKER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

TECHNICAL APPLICATIONS CENTER SCOTT AFB IL

UNCLASSIFIED USAFETAC/DS-89/207

JUN 89
P/G 4/2

7/8
NL



PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION: KAG-OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV HOURS: ALL

| | | | | |
|--------------|-------------|------|-------------|-------|
| AIRWAY CLASS | TOTAL | ST | PARTIAL | TOTAL |
| OVERCAST | OBSERVATION | 1/2 | OBSERVATION | OBS |
| | | | | |
| 27.2 | 2.2 | 43.0 | 2.3 | 900 |
| 29.0 | 2.5 | 44.3 | 3.0 | 900 |
| 29.3 | 2.7 | 40.0 | 3.1 | 900 |
| 33.9 | 2.1 | 55.2 | 3.0 | 900 |
| 31.4 | 1.0 | 52.4 | 2.1 | 900 |
| 29.5 | .9 | 51.0 | 1.0 | 900 |
| 25.4 | .8 | 45.7 | 2.0 | 900 |
| 27.8 | 1.0 | 41.7 | 3.1 | 900 |
| 29.0 | 1.0 | 47.0 | 2.0 | 7000 |
| | | | | |

MONTH: DEC HOURS: ALL

| | | | | |
|-------|-----|------|-----|------|
| 31.7 | 2.5 | 44.5 | 3.5 | 930 |
| 33.5 | 2.2 | 47.5 | 4.0 | 930 |
| 33.7 | 2.5 | 51.5 | 4.5 | 932 |
| 35.7 | 2.2 | 55.4 | 4.4 | 930 |
| 34.3 | 1.0 | 59.0 | 1.1 | 930 |
| 33.0 | 1.2 | 54.7 | 1.3 | 930 |
| 31.3 | 2.0 | 51.4 | 1.5 | 930 |
| 30.1 | 2.2 | 47.7 | 2.9 | 930 |
| 32.9 | 2.1 | 51.5 | 3.1 | 7440 |
| | | | | |

OPERATING LOCATION: MAY
 ISAFSTAC, AMUWILL 12

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 7. 10. 15. 20. 25. 30. 35. 40. 45. 50. 55. 60. 65. 70. 75. 80. 85. 90. 95. 100.

STATION ID: 700043

STATION NAME: TUCKER AFB, GA
 EST TO HQ: + 6

| TIME
(GMT) | DATE | STATION ID | TICKER | AIRWAY CLASS | | ST
1/2 |
|---------------|------|------------|--------|--------------|---------------------|-----------|
| | | | | WINDSPEED | FINAL
DISCUSSION | |
| 00-02 | 00.0 | 19.0 | 14.2 | 25.5 | 1.0 | 41.0 |
| 03-05 | 00.1 | 21.0 | 15.1 | 25.6 | 1.0 | 40.0 |
| 06-08 | 10.0 | 23.0 | 21.7 | 20.0 | 0.0 | 50.0 |
| 09-11 | 17.4 | 30.0 | 22.7 | 20.0 | 1.0 | 50.0 |
| 12-14 | 13.0 | 33.0 | 20.4 | 27.2 | 0.0 | 30.0 |
| 15-17 | 12.0 | 30.0 | 20.0 | 24.0 | 0.0 | 10.0 |
| 18-20 | 10.0 | 31.0 | 22.0 | 23.4 | 0.0 | 40.0 |
| 21-23 | 00.0 | 23.0 | 15.0 | 24.0 | 0.0 | 40.0 |
| ALL
4-10-5 | 00.0 | 20.0 | 20.0 | 25.0 | 1.0 | 40.0 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
IC: + 6

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: ALL HOURS: ALL

| | | | | | |
|----------------|----------|----------------------|-----------|------------------------|--------------|
| AIRWAY CLASSES | | | | | |
| WIKEN | OVERCAST | TOTAL
OBSERVATION | ST
1/2 | PARTIAL
OBSERVATION | TOTAL
OBS |
| | | | | | |
| 14.2 | 25.5 | 1.6 | 41.2 | 1.6 | 10953 |
| 14.1 | 25.6 | 1.6 | 43.3 | 2.6 | 10953 |
| 11.7 | 25.1 | 2.0 | 53.4 | 2.6 | 10953 |
| 22.7 | 23.2 | 1.4 | 52.2 | 2.0 | 10953 |
| 25.4 | 27.2 | .6 | 53.2 | 1.2 | 10953 |
| 14.2 | 24.5 | .6 | 41.2 | 1.6 | 10956 |
| 22.5 | 23.4 | .6 | 46.7 | 1.1 | 10956 |
| 15.7 | 24.5 | .6 | 41.3 | 1.3 | 10956 |
| 22.5 | 25.7 | 1.1 | 42.2 | 1.7 | 17655 |
| | | | | | |

| | | | |
|----|----------|-----------|----------|
| 01 | 00000000 | TTTTTTTTT | 00000000 |
| 02 | 00000000 | TTTTTTTTT | 00000000 |
| 03 | 00 | TT | 00 |
| 04 | 00 | TT | 00 |
| 05 | 00000000 | TT | 00000000 |
| 06 | 00000000 | TT | 00000000 |
| 07 | 00 | TT | 00 |
| 08 | 00 | TT | 00 |
| 09 | 00 | TT | 00 |
| 10 | 00 | TT | 00 |
| 11 | 00 | TT | 00 |

PART 1

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (PDF).
 THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE
 PDF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY,
 SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE 01.
 YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS
 (OF 10, FIC).. THERE IS ONE SPECIAL THRESHOLD FOR "OF 23"
 STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIV

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM
 DATA CONTINUOUSLY FROM HOURLY OBSERVATIONS BY AAS F-105 10/10
 DATA COLLECTION FROM ALL USAF-OR RATED STATIONS. REFER TO
 PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

DAILY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLE GIVES DAILY MAXI
 TEMPERATURES BY MONTH AND BY YEAR. MONTHLY AVERAGE TEMPERATURE
 ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES
 WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ABBREVI
 WITH 20% OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERA
 TURES FOR ALL MONTHS, AND FOR ALL YEARS. AN ABBREVIATION (*) IN THE
 MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. IN
 A YEAR(S) WITH 20% OR MORE MISSING AND/OR INCOMPLETE MONTHS.

WET BULB, WET BULB, AND DRY POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IN

- BY LIGHT 3- HOUR STANDARD TIME PERIODS FOR EACH MONTH.
- BY MONTH (ALL YEARS AND ALL MONTHS COMBINED).
- BY YEAR (ALL YEARS AND ALL MONTHS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS
 THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS TEM
 APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH
 "ENGINEERING WEATHER DATA," AND AAS 105-76, "METEOROLOGIC

NOTE 1. WINTER WET BULB AND DRY POINT MEAN TEMPERATURES FOR
 MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE
 E, WET BULB TEMPERATURES ARE NOT REPORTED (FNU-14). AS A
 DRY POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEM
 ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME CASES
 MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEED
 BULB TEMPERATURES.

PART 2

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (PDF).

TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS GIVEN BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10)..
THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES DERIVED FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED SECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" FOR DETAILED INFORMATION ON REPORTING PRACTICES.

TEMPERATURES.

FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURE BY MONTH AND BY YEAR. MONTHLY REPORTED TEMPERATURES (MAX AND MIN) ARE GIVEN, AND TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN TEMPERATURE.

FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, BY YEAR, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

WINDY, AND DEW POINT TEMPERATURES.

TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

BY HOUR--FOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 83-29, "WEATHER DATA," AND ANSP 105-76, "METEOROLOGICAL TECHNIQUES."

WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS SHOULD BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-18). AS A RESULT, WINTER MEAN WET BULB (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (DOF).
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE ONE OF RELATIVE
HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION: 331
 USARV, ASHVILLE, NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 1 JUL 68 - 31 MAY 69

STATION NUMBER: 72AF40 STATION NAME: TUNER AND PA
 EST TO UTC: +06

| TIME
(GMT-6) | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 00 | 1.0 | | | | | | | | |
| 05 | 1.0 | | | | | | | | |
| 10 | 0.5 | | | | | | | | |
| 15 | 0.5 | | | | | | | | |
| 20 | 0.5 | | | | | | | | |
| 25 | 0.5 | | | | | | | | |
| 30 | 0.5 | | | | | | | | |
| 35 | 0.5 | | | | | | | | |
| 40 | 0.5 | | | | | | | | |
| 45 | 0.5 | | | | | | | | |
| 50 | 0.5 | | | | | | | | |
| 55 | 0.5 | | | | | | | | |
| 60 | 0.5 | | | | | | | | |
| 65 | 0.5 | | | | | | | | |
| 70 | 0.5 | | | | | | | | |
| 75 | 0.5 | | | | | | | | |
| 80 | 0.5 | | | | | | | | |
| 85 | 0.5 | | | | | | | | |
| 90 | 0.5 | | | | | | | | |
| 95 | 0.5 | | | | | | | | |
| 100 | 0.5 | | | | | | | | |
| 105 | 0.5 | | | | | | | | |
| 110 | 0.5 | | | | | | | | |
| 115 | 0.5 | | | | | | | | |
| 120 | 0.5 | | | | | | | | |
| 125 | 0.5 | | | | | | | | |
| 130 | 0.5 | | | | | | | | |
| 135 | 0.5 | | | | | | | | |
| 140 | 0.5 | | | | | | | | |
| 145 | 0.5 | | | | | | | | |
| 150 | 0.5 | | | | | | | | |
| 155 | 0.5 | | | | | | | | |
| 160 | 0.5 | | | | | | | | |
| 165 | 0.5 | | | | | | | | |
| 170 | 0.5 | | | | | | | | |
| 175 | 0.5 | | | | | | | | |
| 180 | 0.5 | | | | | | | | |
| 185 | 0.5 | | | | | | | | |
| 190 | 0.5 | | | | | | | | |
| 195 | 0.5 | | | | | | | | |
| 200 | 0.5 | | | | | | | | |
| 205 | 0.5 | | | | | | | | |
| 210 | 0.5 | | | | | | | | |
| 215 | 0.5 | | | | | | | | |
| 220 | 0.5 | | | | | | | | |
| 225 | 0.5 | | | | | | | | |
| 230 | 0.5 | | | | | | | | |
| 235 | 0.5 | | | | | | | | |
| 240 | 0.5 | | | | | | | | |
| 245 | 0.5 | | | | | | | | |
| 250 | 0.5 | | | | | | | | |
| 255 | 0.5 | | | | | | | | |
| 260 | 0.5 | | | | | | | | |
| 265 | 0.5 | | | | | | | | |
| 270 | 0.5 | | | | | | | | |
| 275 | 0.5 | | | | | | | | |
| 280 | 0.5 | | | | | | | | |
| 285 | 0.5 | | | | | | | | |
| 290 | 0.5 | | | | | | | | |
| 295 | 0.5 | | | | | | | | |
| 300 | 0.5 | | | | | | | | |
| 305 | 0.5 | | | | | | | | |
| 310 | 0.5 | | | | | | | | |
| 315 | 0.5 | | | | | | | | |
| 320 | 0.5 | | | | | | | | |
| 325 | 0.5 | | | | | | | | |
| 330 | 0.5 | | | | | | | | |
| 335 | 0.5 | | | | | | | | |
| 340 | 0.5 | | | | | | | | |
| 345 | 0.5 | | | | | | | | |
| 350 | 0.5 | | | | | | | | |
| 355 | 0.5 | | | | | | | | |
| 360 | 0.5 | | | | | | | | |
| 365 | 0.5 | | | | | | | | |
| 370 | 0.5 | | | | | | | | |
| 375 | 0.5 | | | | | | | | |
| 380 | 0.5 | | | | | | | | |
| 385 | 0.5 | | | | | | | | |
| 390 | 0.5 | | | | | | | | |
| 395 | 0.5 | | | | | | | | |
| 400 | 0.5 | | | | | | | | |
| 405 | 0.5 | | | | | | | | |
| 410 | 0.5 | | | | | | | | |
| 415 | 0.5 | | | | | | | | |
| 420 | 0.5 | | | | | | | | |
| 425 | 0.5 | | | | | | | | |
| 430 | 0.5 | | | | | | | | |
| 435 | 0.5 | | | | | | | | |
| 440 | 0.5 | | | | | | | | |
| 445 | 0.5 | | | | | | | | |
| 450 | 0.5 | | | | | | | | |
| 455 | 0.5 | | | | | | | | |
| 460 | 0.5 | | | | | | | | |
| 465 | 0.5 | | | | | | | | |
| 470 | 0.5 | | | | | | | | |
| 475 | 0.5 | | | | | | | | |
| 480 | 0.5 | | | | | | | | |
| 485 | 0.5 | | | | | | | | |
| 490 | 0.5 | | | | | | | | |
| 495 | 0.5 | | | | | | | | |
| 500 | 0.5 | | | | | | | | |
| 505 | 0.5 | | | | | | | | |
| 510 | 0.5 | | | | | | | | |
| 515 | 0.5 | | | | | | | | |
| 520 | 0.5 | | | | | | | | |
| 525 | 0.5 | | | | | | | | |
| 530 | 0.5 | | | | | | | | |
| 535 | 0.5 | | | | | | | | |
| 540 | 0.5 | | | | | | | | |
| 545 | 0.5 | | | | | | | | |
| 550 | 0.5 | | | | | | | | |
| 555 | 0.5 | | | | | | | | |
| 560 | 0.5 | | | | | | | | |
| 565 | 0.5 | | | | | | | | |
| 570 | 0.5 | | | | | | | | |
| 575 | 0.5 | | | | | | | | |
| 580 | 0.5 | | | | | | | | |
| 585 | 0.5 | | | | | | | | |
| 590 | 0.5 | | | | | | | | |
| 595 | 0.5 | | | | | | | | |
| 600 | 0.5 | | | | | | | | |
| 605 | 0.5 | | | | | | | | |
| 610 | 0.5 | | | | | | | | |
| 615 | 0.5 | | | | | | | | |
| 620 | 0.5 | | | | | | | | |
| 625 | 0.5 | | | | | | | | |
| 630 | 0.5 | | | | | | | | |
| 635 | 0.5 | | | | | | | | |
| 640 | 0.5 | | | | | | | | |
| 645 | 0.5 | | | | | | | | |
| 650 | 0.5 | | | | | | | | |
| 655 | 0.5 | | | | | | | | |
| 660 | 0.5 | | | | | | | | |
| 665 | 0.5 | | | | | | | | |
| 670 | 0.5 | | | | | | | | |
| 675 | 0.5 | | | | | | | | |
| 680 | 0.5 | | | | | | | | |
| 685 | 0.5 | | | | | | | | |
| 690 | 0.5 | | | | | | | | |
| 695 | 0.5 | | | | | | | | |
| 700 | 0.5 | | | | | | | | |
| 705 | 0.5 | | | | | | | | |
| 710 | 0.5 | | | | | | | | |
| 715 | 0.5 | | | | | | | | |
| 720 | 0.5 | | | | | | | | |
| 725 | 0.5 | | | | | | | | |
| 730 | 0.5 | | | | | | | | |
| 735 | 0.5 | | | | | | | | |
| 740 | 0.5 | | | | | | | | |
| 745 | 0.5 | | | | | | | | |
| 750 | 0.5 | | | | | | | | |
| 755 | 0.5 | | | | | | | | |
| 760 | 0.5 | | | | | | | | |
| 765 | 0.5 | | | | | | | | |
| 770 | 0.5 | | | | | | | | |
| 775 | 0.5 | | | | | | | | |
| 780 | 0.5 | | | | | | | | |
| 785 | 0.5 | | | | | | | | |
| 790 | 0.5 | | | | | | | | |
| 795 | 0.5 | | | | | | | | |
| 800 | 0.5 | | | | | | | | |
| 805 | 0.5 | | | | | | | | |
| 810 | 0.5 | | | | | | | | |
| 815 | 0.5 | | | | | | | | |
| 820 | 0.5 | | | | | | | | |
| 825 | 0.5 | | | | | | | | |
| 830 | 0.5 | | | | | | | | |
| 835 | 0.5 | | | | | | | | |
| 840 | 0.5 | | | | | | | | |
| 845 | 0.5 | | | | | | | | |
| 850 | 0.5 | | | | | | | | |
| 855 | 0.5 | | | | | | | | |
| 860 | 0.5 | | | | | | | | |
| 865 | 0.5 | | | | | | | | |
| 870 | 0.5 | | | | | | | | |
| 875 | 0.5 | | | | | | | | |
| 880 | 0.5 | | | | | | | | |
| 885 | 0.5 | | | | | | | | |
| 890 | 0.5 | | | | | | | | |
| 895 | 0.5 | | | | | | | | |
| 900 | 0.5 | | | | | | | | |
| 905 | 0.5 | | | | | | | | |
| 910 | 0.5 | | | | | | | | |
| 915 | 0.5 | | | | | | | | |
| 920 | 0.5 | | | | | | | | |
| 925 | 0.5 | | | | | | | | |
| 930 | 0.5 | | | | | | | | |
| 935 | 0.5 | | | | | | | | |
| 940 | 0.5 | | | | | | | | |
| 945 | 0.5 | | | | | | | | |
| 950 | 0.5 | | | | | | | | |
| 955 | 0.5 | | | | | | | | |
| 960 | 0.5 | | | | | | | | |
| 965 | 0.5 | | | | | | | | |
| 970 | 0.5 | | | | | | | | |
| 975 | 0.5 | | | | | | | | |
| 980 | 0.5 | | | | | | | | |
| 985 | 0.5 | | | | | | | | |
| 990 | 0.5 | | | | | | | | |
| 995 | 0.5 | | | | | | | | |
| 1000 | 0.5 | | | | | | | | |

| | | | | | | | | |
|-----------|-------|-------|-------|------|------|------|------|------|
| 441 | 99.1 | 91.9 | 50.1 | 70.9 | 73.0 | 35.7 | 91.9 | 91.9 |
| 50 | 13.40 | 13.40 | 12.68 | 9.84 | 8.14 | 5.53 | 5.55 | 5.71 |
| TOTAL 995 | 14.7 | 1307 | 1326 | 1350 | 1395 | 1350 | 1325 | 1326 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

MINOR AREA: 10

PERIOD OF RECORD: 4301-4700
MONTH: ALL HOURS: ALL

| | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | | .2 | 1.6 | 1.2 | .3 | | | | .3 |
| 1 | .1 | 1.3 | 11.2 | 11.7 | 1.6 | | | | 2.2 |
| 2 | .2 | 10.2 | 37.1 | 35.7 | 13.8 | .4 | | | 7.9 |
| 3 | 5.6 | 24.8 | 46.7 | 55.1 | 29.0 | 2.4 | | | 17.0 |
| 4 | 23.4 | 39.6 | 36.1 | 35.2 | 40.1 | 12.1 | | .1 | 27.4 |
| 5 | 42.0 | 36.2 | 26.3 | 28.3 | 70.0 | 21.3 | 1.7 | .1 | 37.6 |
| 6 | 73.1 | 35.5 | 25.2 | 22.6 | 64.6 | 47.6 | 1.6 | .3 | 46.7 |
| 7 | 44.6 | 28.7 | 20.9 | 17.3 | 32.7 | 62.0 | 22.3 | 3.8 | 55.1 |
| 8 | 23.4 | 24.8 | 100.0 | 100.0 | 27.3 | 41.9 | 37.3 | 10.4 | 63.3 |
| 9 | 27.0 | 100.0 | | | 48.3 | 41.4 | 62.2 | 23.1 | 70.7 |
| 10 | 20.8 | | | | 30.3 | 46.6 | 63.9 | 37.3 | 77.3 |
| 11 | 40.0 | | | | 40.3 | 38.3 | 77.8 | 54.1 | 84.1 |
| 12 | 100.0 | | | | 100.0 | 29.3 | 29.6 | 61.8 | 89.0 |
| 13 | | | | | | 100.0 | 25.1 | 33.2 | 93.1 |
| 14 | | | | | | | 98.6 | 67.3 | 96.2 |
| 15 | | | | | | | 99.5 | 92.0 | 97.1 |
| 16 | | | | | | | 99.3 | 94.7 | 97.9 |
| 17 | | | | | | | 100.0 | 97.6 | 99.0 |
| 18 | | | | | | | | 99.2 | 99.6 |
| 19 | | | | | | | | 99.6 | 99.9 |
| 20 | | | | | | | | 94.2 | 100.0 |
| 21 | | | | | | | | 100.0 | 100.0 |
| 22 | 73.0 | 35.6 | 21.3 | 21.6 | 23.7 | 73.3 | 59.6 | 49.8 | 70.2 |
| 23 | 6.14 | 6.53 | 6.56 | 6.72 | 7.09 | 9.56 | 11.31 | 11.95 | 18.89 |
| 24 | 1395 | 1350 | 1375 | 1395 | 1330 | 1425 | 1380 | 1425 | 16656 |

OPERATING EXPENSES
 PAYABLE TO CREDITORS

CUMULATIVE BALANCE, CREDITORS' ACCOUNTS
 PAYABLE TO CREDITORS

STATEMENT OF FINANCIAL POSITION
 STATEMENT OF FINANCIAL POSITION

| 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 |
|-----------|------|------|------|------|------|------|------|------|
| (1934-35) | | | | | | | | |
| 1 | | | | | | | 1.1 | 1.1 |
| 2 | | | | | | | 1.1 | 1.1 |
| 3 | | | | | | | 1.1 | 1.1 |
| 4 | | | | | | | 1.1 | 1.1 |
| 5 | | | | | | | 1.1 | 1.1 |
| 6 | | | | | | | 1.1 | 1.1 |
| 7 | | | | | | | 1.1 | 1.1 |
| 8 | | | | | | | 1.1 | 1.1 |
| 9 | | | | | | | 1.1 | 1.1 |
| 10 | | | | | | | 1.1 | 1.1 |
| 11 | | | | | | | 1.1 | 1.1 |
| 12 | | | | | | | 1.1 | 1.1 |
| 13 | | | | | | | 1.1 | 1.1 |
| 14 | | | | | | | 1.1 | 1.1 |
| 15 | | | | | | | 1.1 | 1.1 |
| 16 | | | | | | | 1.1 | 1.1 |
| 17 | | | | | | | 1.1 | 1.1 |
| 18 | | | | | | | 1.1 | 1.1 |
| 19 | | | | | | | 1.1 | 1.1 |
| 20 | | | | | | | 1.1 | 1.1 |
| 21 | | | | | | | 1.1 | 1.1 |
| 22 | | | | | | | 1.1 | 1.1 |
| 23 | | | | | | | 1.1 | 1.1 |
| 24 | | | | | | | 1.1 | 1.1 |
| 25 | | | | | | | 1.1 | 1.1 |
| 26 | | | | | | | 1.1 | 1.1 |
| 27 | | | | | | | 1.1 | 1.1 |
| 28 | | | | | | | 1.1 | 1.1 |
| 29 | | | | | | | 1.1 | 1.1 |
| 30 | | | | | | | 1.1 | 1.1 |
| 31 | | | | | | | 1.1 | 1.1 |
| 32 | | | | | | | 1.1 | 1.1 |
| 33 | | | | | | | 1.1 | 1.1 |
| 34 | | | | | | | 1.1 | 1.1 |
| 35 | | | | | | | 1.1 | 1.1 |
| 36 | | | | | | | 1.1 | 1.1 |
| 37 | | | | | | | 1.1 | 1.1 |
| 38 | | | | | | | 1.1 | 1.1 |
| 39 | | | | | | | 1.1 | 1.1 |
| 40 | | | | | | | 1.1 | 1.1 |
| 41 | | | | | | | 1.1 | 1.1 |
| 42 | | | | | | | 1.1 | 1.1 |
| 43 | | | | | | | 1.1 | 1.1 |
| 44 | | | | | | | 1.1 | 1.1 |
| 45 | | | | | | | 1.1 | 1.1 |
| 46 | | | | | | | 1.1 | 1.1 |
| 47 | | | | | | | 1.1 | 1.1 |
| 48 | | | | | | | 1.1 | 1.1 |
| 49 | | | | | | | 1.1 | 1.1 |
| 50 | | | | | | | 1.1 | 1.1 |
| 51 | | | | | | | 1.1 | 1.1 |
| 52 | | | | | | | 1.1 | 1.1 |
| 53 | | | | | | | 1.1 | 1.1 |
| 54 | | | | | | | 1.1 | 1.1 |
| 55 | | | | | | | 1.1 | 1.1 |
| 56 | | | | | | | 1.1 | 1.1 |
| 57 | | | | | | | 1.1 | 1.1 |
| 58 | | | | | | | 1.1 | 1.1 |
| 59 | | | | | | | 1.1 | 1.1 |
| 60 | | | | | | | 1.1 | 1.1 |
| 61 | | | | | | | 1.1 | 1.1 |
| 62 | | | | | | | 1.1 | 1.1 |
| 63 | | | | | | | 1.1 | 1.1 |
| 64 | | | | | | | 1.1 | 1.1 |
| 65 | | | | | | | 1.1 | 1.1 |
| 66 | | | | | | | 1.1 | 1.1 |
| 67 | | | | | | | 1.1 | 1.1 |
| 68 | | | | | | | 1.1 | 1.1 |
| 69 | | | | | | | 1.1 | 1.1 |
| 70 | | | | | | | 1.1 | 1.1 |
| 71 | | | | | | | 1.1 | 1.1 |
| 72 | | | | | | | 1.1 | 1.1 |
| 73 | | | | | | | 1.1 | 1.1 |
| 74 | | | | | | | 1.1 | 1.1 |
| 75 | | | | | | | 1.1 | 1.1 |
| 76 | | | | | | | 1.1 | 1.1 |
| 77 | | | | | | | 1.1 | 1.1 |
| 78 | | | | | | | 1.1 | 1.1 |
| 79 | | | | | | | 1.1 | 1.1 |
| 80 | | | | | | | 1.1 | 1.1 |
| 81 | | | | | | | 1.1 | 1.1 |
| 82 | | | | | | | 1.1 | 1.1 |
| 83 | | | | | | | 1.1 | 1.1 |
| 84 | | | | | | | 1.1 | 1.1 |
| 85 | | | | | | | 1.1 | 1.1 |
| 86 | | | | | | | 1.1 | 1.1 |
| 87 | | | | | | | 1.1 | 1.1 |
| 88 | | | | | | | 1.1 | 1.1 |
| 89 | | | | | | | 1.1 | 1.1 |
| 90 | | | | | | | 1.1 | 1.1 |
| 91 | | | | | | | 1.1 | 1.1 |
| 92 | | | | | | | 1.1 | 1.1 |
| 93 | | | | | | | 1.1 | 1.1 |
| 94 | | | | | | | 1.1 | 1.1 |
| 95 | | | | | | | 1.1 | 1.1 |
| 96 | | | | | | | 1.1 | 1.1 |
| 97 | | | | | | | 1.1 | 1.1 |
| 98 | | | | | | | 1.1 | 1.1 |
| 99 | | | | | | | 1.1 | 1.1 |
| 100 | | | | | | | 1.1 | 1.1 |

| | | | | | | | | |
|------------|------|-------|-------|-------|-------|-------|-------|-------|
| 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 |
| 10.72 | 1.29 | 10.78 | 1.67 | 7.12 | 6.34 | 6.17 | 6.07 | |
| TOTAL 1934 | 14.7 | 13.27 | 13.08 | 13.52 | 13.96 | 13.93 | 13.75 | 13.96 |

STATION FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT 12-14 SUMMARY OF DAY DATA

STATION

PERIOD OF RECORD: 4361-5102
 MONTH: ALL HOURS: ALL

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----|-------|-------|------|-------|-------|-------|-------|-------|
| | 1.3 | 1.5 | 1.7 | .1 | | | | .3 |
| | 6.1 | 25.5 | 23.0 | 4.3 | | | | 5.5 |
| | 42.1 | 75.5 | 55.1 | 25.5 | 1.5 | | | 18.1 |
| | 74.1 | 25.2 | 21.0 | 55.3 | 1.1 | .2 | .1 | 28.9 |
| | 92.1 | 55.2 | 45.4 | 72.3 | 24.1 | 2.7 | .4 | 38.4 |
| | 75.5 | 55.1 | 55.1 | 55.1 | 44.4 | 7.9 | 1.0 | 46.5 |
| | 100.0 | 100.0 | | 35.2 | 55.1 | 18.4 | 2.7 | 54.0 |
| | | | | 55.3 | 34.7 | 32.0 | 5.3 | 61.5 |
| | | | | 55.1 | 54.2 | 51.2 | 15.1 | 69.5 |
| | | | | 100.0 | 54.2 | 72.4 | 37.2 | 78.3 |
| | | | | | 55.5 | 50.1 | 46.1 | 91.6 |
| | | | | | 55.5 | 55.1 | 51.2 | 95.1 |
| | | | | | 100.0 | 55.2 | 71.6 | 92.4 |
| | | | | | | 55.0 | 50.1 | 95.0 |
| | | | | | | 55.0 | 55.0 | 98.0 |
| | | | | | | 100.0 | 51.0 | 99.2 |
| | | | | | | | 55.2 | 99.6 |
| | | | | | | | 100.0 | 99.9 |
| | | | | | | | | 100.0 |
| | | | | | | | | 100.0 |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|
| 59.3 | 57.1 | 72.0 | 71.1 | 63.7 | 53.0 | 40.3 | 31.3 | 50.6 |
| 7.12 | 5.34 | 4.17 | 4.57 | 7.31 | 8.13 | 9.34 | 9.40 | 17.54 |
| 1395 | 1350 | 1375 | 1375 | 1330 | 1425 | 1380 | 1426 | 16655 |

DEPARTING CUMULATIVE
 TRACKING, NEW VILLAGE

CUMULATIVE DEPARTURE FROM DAY OF 1960
 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969

STATION NUMBER: 22004

STATION NAME: TINKER AIRFIELD
 EST. TO HIC: +05

| TIME | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| (1960-1969) | | | | | | | | | | |
| 1 | | | | | .1 | .1 | .1 | .1 | .1 | .1 |
| 2 | | | | | .1 | .1 | .1 | .1 | .1 | .1 |
| 3 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 4 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 5 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 6 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 7 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 8 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 9 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 10 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 11 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 12 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 13 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 14 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 15 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 16 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 17 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 18 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 19 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 20 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 21 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 22 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 23 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 24 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 25 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 26 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 27 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 28 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 29 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 30 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 31 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 32 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 33 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 34 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 35 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 36 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 37 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 38 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 39 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 40 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 41 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 42 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 43 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 44 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 45 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 46 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 47 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 48 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 49 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 50 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 51 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 52 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 53 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 54 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 55 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 56 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 57 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 58 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 59 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 60 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 61 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 62 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 63 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 64 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 65 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 66 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 67 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 68 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 69 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 70 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 71 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 72 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 73 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 74 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 75 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 76 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 77 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 78 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 79 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 80 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 81 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 82 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 83 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 84 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 85 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 86 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 87 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 88 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 89 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 90 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 91 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 92 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 93 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 94 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 95 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 96 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 97 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 98 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 99 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |
| 100 | | | | | .4 | .4 | .4 | .4 | .4 | .4 |

| | | | | | | | | | |
|-------|------|-------|-------|------|------|------|------|------|----|
| 101 | 57.0 | 41.0 | 49.9 | 50.9 | 59.9 | 77.4 | 82.1 | 81.0 | 75 |
| 102 | 11.6 | 19.97 | 19.98 | 3.52 | 7.02 | 9.35 | 6.97 | 6.11 | 7. |
| TOTAL | 1457 | 307 | 1395 | 1350 | 1395 | 1350 | 1395 | 1395 | 1 |

FIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
 6514 SUMMARY OF DAY DATA

STATION: 47374

PERIOD OF RECORD: 4301-4902

MONTH: ALL HOURS: ALL

| | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | | | | | | | |
| ..... | .1 | .7 | 4.7 | 5.0 | .6 | | | | .6 |
| ..... | .4 | 7.3 | 33.3 | 31.1 | 5.1 | | | | 6.5 |
| ..... | 4.4 | 39.0 | 70.9 | 55.7 | 25.7 | 1.2 | | | 17.4 |
| ..... | 21.9 | 71.6 | 82.6 | 39.8 | 40.5 | 7.9 | | | 28.1 |
| ..... | 43.7 | 81.8 | 88.8 | 33.0 | 73.0 | 23.9 | 1.3 | | 37.8 |
| ..... | 73.4 | 87.4 | 94.1 | 33.1 | 87.7 | 46.1 | 4.4 | .7 | 46.9 |
| ..... | 89.8 | 99.0 | 100.0 | 100.0 | 95.9 | 98.1 | 1.4 | 1.5 | 54.6 |
| ..... | 96.3 | 100.0 | | | 90.3 | 95.6 | 34.3 | 4.6 | 62.3 |
| ..... | 97.4 | | | | 93.9 | 94.1 | 51.4 | 10.4 | 70.4 |
| ..... | 100.0 | | | | 100.0 | 98.9 | 70.7 | 37.0 | 73.5 |
| ..... |  |  |  |  |  | 99.3 | 85.7 | 55.5 | 85.5 |
| ..... |  |  |  |  |  | 100.0 | 94.9 | 75.7 | 91.5 |
| ..... |  |  |  |  |  |  | 95.3 | 1.3 | 93.2 |
| ..... |  |  |  |  |  |  | 94.4 | 37.4 | 95.4 |
| ..... |  |  |  |  |  |  | 99.3 | 93.4 | 97.5 |
| ..... |  |  |  |  |  |  | 100.0 | 97.3 | 98.8 |
| ..... |  |  |  |  |  |  |  | 99.1 | 99.5 |
| ..... |  |  |  |  |  |  |  | 99.6 | 99.7 |
| ..... |  |  |  |  |  |  |  | 99.9 | 100.0 |
| ..... |  |  |  |  |  |  |  | 100.0 | 100.0 |
| ..... | 59.9 | 77.4 | 92.1 | 51.5 | 73.9 | 63.3 | 50.1 | 40.7 | 60.6 |
| ..... | 7.02 | 5.55 | 4.97 | 5.21 | 7.57 | 5.13 | 9.50 | 10.02 | 17.94 |
| ..... | 1395 | 1350 | 1395 | 1395 | 1380 | 1426 | 1380 | 1426 | 16556 |
| | | | | | | | | | |

OPERATING LOCATION: 100
USAF TAC, ACHVILLE, MO

MONTHLY MAXIMUM TEMPERATURES IN CENTS
FROM SUMMARY OF DAY DATA

STATION ID: 720540 STATION NAME: LINKER AFB MO
EST TO UTC: +06

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----------------|-----|-----|-----|-----|-----|-----|
| 40 | 77 | 77 | 82 | 87 | 93 | 97 | 104 | 104 |
| 41 | 77 | 73 | 77 | 80 | 86 | 95 | 100 | 105 |
| 42 | 71 | 73 | 82 | 84 | 90 | 93 | 99 | 101 |
| 43 | 77 | 72 ⁸ | | | | | | |
| 44 | 73 | 73 | 83 | 86 | 91 | 95 | 107 | 109 |
| 45 | 76 | 71 | 79 | 84 | 90 | 95 | 101 | 104 |
| 46 | 82 | 85 | 75 | 87 | 93 | 99 | 107 | 101 |
| 47 | 75 | 73 | 82 | 89 | 91 | 97 | 102 | 105 |
| 48 | 74 | 75 | 85 | 87 | 93 | 95 | 101 | 107 |
| 49 | 77 | 75 | 81 | 86 | 92 | 99 | 100 | 105 |
| 50 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 51 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 52 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 53 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 54 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 55 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 56 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 57 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 58 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 59 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 60 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 61 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 62 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 63 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 64 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 65 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 66 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 67 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 68 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 69 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 70 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 71 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 72 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 73 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 74 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |
| 75 | 73 | 72 | 84 | 87 | 97 | 100 | 103 | 109 |

LY MAXIMUM TEMPERATURES IN FAHRENHEIT
 APRIL SUMMARY OF DAY DATA

1950-1951

PERIOD OF RECORD: 4301-8902
 MONTH: ALL HOURS: ALL

| | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|--|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | 93 | 97 | 104 | 104 | 95 | 83 | 77 | 61 | 104 |
| | 98 | 95 | 100 | 103 | 96 | 88 | 80 | 64 | 103 |
| | 90 | 93 | 99 | 101 | 99 | 82 | 83 | 65 | 101 |
| | | | | | 93 | 85 | 72 | 75 | 90* |
| | 90 | 98 | 107 | 102 | 107 | 93 | 71 | 71 | 107 |
| | 99 | 97 | 98 | 104 | 100 | 89 | 75 | 79 | 104 |
| | 95 | 99 | 105 | 101 | 96 | 90 | 82 | 68 | 105 |
| | 91 | 97 | 92 | 96 | 91 | 91 | 80 | 75 | 97 |
| | 93 | 95 | 101 | 107 | 105 | 91 | 77 | 77 | 107 |
| | 92 | 99 | 102 | 106 | 99 | 92 | 82 | 70 | 106 |
| | 97 | 100 | 103 | 103 | 105 | 96 | 82 | 63 | 105 |
| | 98 | 97 | 106 | 103 | 102 | 92 | 81 | 74 | 106 |
| | 92 | 95 | 99 | 99 | 95 | 85 | 78 | 66 | 99 |
| | 91 | 101 | 101 | 107 | 100 | 92 | 79 | 77 | 107 |
| | 95 | 94 | 102 | 100 | 97 | 86 | 75 | 62 | 103 |
| | 97 | 96 | 99 | 104 | 96 | 88 | 77 | 62 | 104 |
| | 91 | 100 | 99 | 101 | 95 | 84 | 73 | 70 | 101 |
| | 93 | 95 | 97 | 97 | 96 | 86 | 75 | 66 | 96 |
| | 92 | 94 | 100 | 97 | 93 | 85 | 74 | 67 | 100 |
| | 90 | 93 | 99 | 105 | 95 | 91 | 71 | 69 | 105 |
| | 95 | 97 | 101 | 102 | 99 | 95 | 75 | 67 | 102 |
| | 92 | 97 | 105 | 107 | 99 | 85 | 79 | 65 | 107 |
| | 94 | 94 | 103 | 97 | 102 | 94 | 83 | 71 | 103 |
| | 92 | 95 | 104 | 99 | 88 | 85 | 80 | 73 | 104 |
| | 91 | 92 | 97 | 99 | 83 | 86 | 76 | 65 | 99 |
| | 96 | 93 | 96 | 100 | 90 | 87 | 78 | 65 | 100 |
| | 90 | 94 | 101 | 101 | 92 | 87 | 79 | 68 | 101 |
| | 97 | 97 | 105 | 105 | 101 | 85 | 76 | 73 | 105 |
| | 87 | 95 | 102 | 95 | 93 | 84 | 75 | 66 | 102 |
| | 86 | 99 | 100 | 100 | 97 | 95 | 69 | 71 | 100 |
| | 94 | 92 | 96 | 97 | 90 | 86 | 77 | 70 | 97 |
| | 90 | 94 | 104 | 95 | 90 | 83 | 75 | 65 | 104 |
| | 86 | 92 | 96 | 94 | 94 | 89 | 76 | 75 | 96 |

OPERATING LOCATION: MA
USAF TAC, AND VILLE, IC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM JANUARY 19 DAY DATA

STATION NUMBER: 72384

STATION NAME: TINKER AFB TX
EST TO UTC: +06

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 75 | 85 | 75 | 84 | 80 | 85 | 95 | 95 | 95 |
| 77 | 87 | 75 | 89 | 83 | 89 | 97 | 104 | 101 |
| 78 | 80 | 64 | 79 | 84 | 88 | 95 | 100 | 95 |
| 79 | 85 | 67 | 85 | 84 | 87 | 93 | 98 | 95 |
| 80 | 85 | 77 | 77 | 85 | 93 | 100 | 106 | 104 |
| 81 | 74 | 82 | 89 | 85 | 90 | 95 | 107 | 95 |
| 82 | 80 | 80 | 75 | 84 | 89 | 90 | 95 | 102 |
| 83 | 85 | 87 | 83 | 85 | 87 | 92 | 102 | 103 |
| 84 | 85 | 74 | 81 | 82 | 85 | 97 | 103 | 105 |
| 85 | 85 | 80 | 81 | 84 | 104 | 95 | 101 | 100 |
| 86 | 75 | 81 | 80 | 82 | 85 | 95 | 107 | 101 |
| 87 | 85 | 72 | 75 | 85 | 89 | 95 | 95 | 102 |
| 88 | 85 | 75 | 84 | 85 | 85 | 90 | 104 | 100 |
| 89 | 85 | 75 | 85 | 85 | 85 | 90 | 104 | 100 |

| | | | | | | | | |
|-----------|------|------|------|------|------|------|------|------|
| GREATEST | 85 | 95 | 81 | 93 | 104 | 105 | 109 | 107 |
| TOTAL DGS | 1457 | 1307 | 1395 | 1390 | 1395 | 1350 | 1395 | 1395 |

THE GREATEST VALUE OF 109 OCCURRED ON 07/29/86

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 20% OF THE DAY

Y MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

APR 30

PERIOD OF RECORD: 4301-8902
MONTH: ALL HOURS: ALL

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 85 | 95 | 95 | 98 | 91 | 89 | 76 | 71 | 98 |
| 88 | 95 | 104 | 101 | 99 | 86 | 74 | 72 | 104 |
| 84 | 95 | 100 | 98 | 95 | 91 | 81 | 76 | 100 |
| 87 | 93 | 98 | 95 | 93 | 93 | 76 | 63 | 98 |
| 93 | 106 | 106 | 104 | 99 | 92 | 84 | 71 | 106 |
| 90 | 95 | 107 | 98 | 97 | 88 | 77 | 67 | 107 |
| 89 | 90 | 93 | 102 | 90 | 88 | 77 | 74 | 102 |
| 87 | 92 | 102 | 103 | 95 | 89 | 79 | 60 | 103 |
| 98 | 97 | 105 | 106 | 98 | 87 | 76 | 71 | 106 |
| 104 | 95 | 101 | 100 | 100 | 82 | 75 | 67 | 104 |
| 98 | 93 | 100 | 101 | 88 | 81 | 68 | 56 | 100 |
| 92 | 98 | 95 | 100 | 91 | 83 | 80 | 67 | 100 |
| 88 | 98 | 103 | 108 | 95 | 88 | 83 | 74 | 105 |
| | | | | | | | | 73* |

| | | | | | | | | |
|------|------|------|------|------|------|------|------|-------|
| 104 | 106 | 109 | 107 | 107 | 93 | 84 | 85 | 109 |
| 1395 | 1350 | 1345 | 1395 | 1380 | 1426 | 1330 | 1426 | 16656 |

OCCURRED ON 07/29/36

MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 'A'
HARRIS, ASHEVILLE, NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM JOURNAL OF DAY DATA

STATION NUMBER: 723540

STATION NAME: TINKER AFB TX
LST TO UTC: +06

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 43 | -1 | 15 | 15 | 41 | 45 | 55 | 55 | 55 |
| 44 | 3 | 15 | 21 | 35 | 37 | 57 | 59 | 59 |
| 45 | 15 | 12 | 24 | 29 | 40 | 55 | 61 | 61 |
| 46 | 17 | 20* | | | | | | |
| 47 | -2 | 13 | 15 | 35 | 40 | 52 | 57 | 71 |
| 48 | 4 | 13 | -1 | 35 | 45 | 52 | 57 | 57 |
| 49 | 3 | 15 | 25 | 34 | 52 | 52 | 45 | 40 |
| 50 | | 15 | 15 | 33 | 51 | 52 | 40 | 55 |
| 51 | 5 | -1 | 21 | 34 | 40 | 53 | 57 | 54 |
| 52 | 15 | 25 | 21 | 29 | 45 | 57 | 53 | 55 |
| 53 | 15 | 15 | 22 | 31 | 42 | 52 | 55 | 53 |
| 54 | 5 | 23 | 15 | 35 | 35 | 54 | 74 | 57 |
| 55 | 15 | 15 | 13 | 41 | 53 | 53 | 72 | 55 |
| 56 | 12 | 13 | 22 | 37 | 54 | 54 | 57 | 51 |
| 57 | 13 | 23 | 24 | 25 | 45 | 57 | 55 | 54 |
| 58 | 14 | 13 | 25 | 37 | 52 | 52 | 53 | 53 |
| 59 | -2 | 11 | 24 | 32 | 49 | 50 | 52 | 55 |
| 60 | 13 | 5 | 4 | 35 | 37 | 57 | 52 | 54 |
| 61 | 7 | 13 | 30 | 35 | 43 | 57 | 57 | 53 |
| 62 | -1 | 5 | 11 | 30 | 47 | 57 | 55 | 55 |
| 63 | -2 | 11 | 25 | 43 | 41 | 52 | 55 | 55 |
| 64 | 5 | 15 | 17 | 30 | 50 | 52 | 51 | 41 |
| 65 | 14 | 7 | 15 | 37 | 50 | 52 | 55 | 55 |
| 66 | 3 | 13 | 23 | 33 | 40 | 55 | 71 | 57 |
| 67 | 3 | 15 | 5 | 33 | 41 | 57 | 57 | 55 |
| 68 | 5 | 14 | 17 | 31 | 51 | 57 | 55 | 57 |
| 69 | 10 | 23 | 13 | 39 | 44 | 52 | 55 | 57 |
| 70 | 4 | 15 | 25 | 25 | 44 | 52 | 53 | 52 |
| 71 | 3 | 3 | 13 | 30 | 41 | 52 | 55 | 55 |
| 72 | 1 | 9 | 20 | 30 | 47 | 52 | 55 | 55 |
| 73 | 2 | 10 | 34 | 30 | 42 | 50 | 55 | 53 |
| 74 | 5 | 23 | 20 | 35 | 50 | 54 | 53 | 55 |
| 75 | 15 | 15 | 22 | 27 | 50 | 54 | 51 | 55 |

MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

463 34

PERIOD OF RECORD: 4301-8902
MONTH: ALL HOURS: ALL

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 45 | 50 | 55 | 54 | 54 | 35 | 30 | 7 | -1 |
| 37 | 57 | 50 | 55 | 49 | 40 | 21 | 20 | 3 |
| 40 | 55 | 61 | 61 | 44 | 34 | 27 | 7 | 7 |
| | | | | 42 | 36 | 23 | 10 | 10* |
| 40 | 52 | 57 | 70 | 53 | 45 | 26 | 13 | -7 |
| 44 | 52 | 57 | 50 | 49 | 37 | 25 | 20 | -1 |
| 32 | 52 | 49 | 40 | 45 | 32 | 27 | 20 | 3 |
| 51 | 52 | 50 | 55 | 55 | 42 | 15 | 4 | 4 |
| 44 | 53 | 57 | 64 | 49 | 33 | 13 | 9 | -1 |
| 45 | 57 | 50 | 54 | 54 | 37 | 22 | 19 | 19 |
| 42 | 52 | 55 | 53 | 54 | 37 | 29 | 12 | 10 |
| 29 | 54 | 74 | 57 | 57 | 35 | 26 | 10 | 5 |
| 53 | 53 | 70 | 65 | 57 | 53 | 17 | 16 | 12 |
| 54 | 54 | 57 | 58 | 55 | 45 | 19 | 12 | 13 |
| 45 | 57 | 55 | 54 | 54 | 26 | 27 | 15 | 10 |
| 32 | 52 | 53 | 53 | 49 | 39 | 21 | 6 | 3 |
| 49 | 52 | 52 | 55 | 47 | 35 | 11 | 26 | -3 |
| 37 | 57 | 62 | 64 | 54 | 35 | 22 | 17 | 4 |
| 43 | 57 | 57 | 50 | 45 | 41 | 23 | 7 | 7 |
| 47 | 50 | 55 | 55 | 47 | 37 | 23 | 9 | -1 |
| 41 | 52 | 55 | 55 | 50 | 43 | 27 | 4 | -2 |
| 50 | 52 | 51 | 51 | 47 | 36 | 17 | 6 | 5 |
| 50 | 52 | 55 | 65 | 47 | 39 | 31 | 26 | 7 |
| 49 | 55 | 71 | 57 | 49 | 35 | 22 | 9 | 3 |
| 41 | 57 | 57 | 55 | 40 | 35 | 23 | 16 | 6 |
| 43 | 57 | 52 | 57 | 49 | 38 | 23 | 0 | 0 |
| 44 | 52 | 55 | 57 | 54 | 33 | 19 | 12 | 10 |
| 44 | 52 | 53 | 52 | 47 | 36 | 13 | 19 | 4 |
| 41 | 52 | 55 | 50 | 43 | 43 | 23 | 23 | 3 |
| 47 | 52 | 55 | 53 | 39 | 34 | 25 | 6 | 1 |
| 42 | 59 | 55 | 53 | 45 | 35 | 32 | 12 | 2 |
| 50 | 55 | 53 | 60 | 46 | 43 | 25 | 22 | 5 |
| 50 | 55 | 51 | 55 | 47 | 37 | 18 | 14 | 14 |

OPERATING LOCATION: TAF
USAFETAG, ASH VILL, MO

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 723542

STATION NAME: TINKER AFB, MO
LST TO UTC: +06

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 75 | 6 | 14 | 22 | 35 | 40 | 54 | 51 | 42 |
| 77 | 7 | 24 | 27 | 36 | 56 | 51 | 57 | 56 |
| 78 | 7 | 6 | 13 | 39 | 44 | 51 | 55 | 53 |
| 79 | 4 | 3 | 39 | 37 | 45 | 54 | 56 | 62 |
| 80 | 17 | 15 | 13 | 27 | 44 | 57 | 57 | 53 |
| 81 | 14 | 6 | 35 | 42 | 44 | 57 | 74 | 73 |
| 82 | 5 | 4 | 24 | 33 | 44 | 51 | 75 | 71 |
| 83 | 11 | 17 | 30 | 35 | 45 | 55 | 63 | 71 |
| 84 | 2 | 16 | 21 | 35 | 43 | 54 | 55 | 65 |
| 85 | 4 | 4 | 30 | 41 | 52 | 54 | 57 | 61 |
| 86 | 14 | 11 | 27 | 39 | 48 | 53 | 77 | 54 |
| 87 | 13 | 27 | 24 | 35 | 72 | 5 | 77 | 77 |
| 88 | 1 | 1 | 27 | 39 | 50 | 5 | 57 | 54 |
| 89 | 13 | 5 | | | | | | |

| | | | | | | | | |
|-----------|------|------|------|------|------|------|------|------|
| LEAST | -7 | -1 | -1 | 25 | 35 | 51 | 53 | 54 |
| TOTAL NOS | 1457 | 1307 | 1395 | 1350 | 1395 | 1350 | 1395 | 1335 |

THE LEAST VALUE OF -7 OCCURRED ON 01/04/47

NOTE: THIS VALUE IS BASED ON A MONTH WITH LESS THAN 20 HOURS OF

DAILY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

15019 APR 06

PERIOD OF RECORD: 4301-4902
MONTH: ALL HOURS: ALL

| | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|--|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| | 40 | 54 | 51 | 52 | 44 | 32 | 19 | 10 | 5 |
| | 56 | 50 | 57 | 55 | 50 | 40 | 24 | 14 | 7 |
| | 44 | 51 | 55 | 54 | 55 | 41 | 29 | 15 | 6 |
| | 45 | 55 | 58 | 62 | 53 | 40 | 23 | 12 | 3 |
| | 49 | 53 | 57 | 59 | 50 | 34 | 25 | 13 | 13 |
| | 44 | 57 | 70 | 53 | 45 | 35 | 30 | 17 | 5 |
| | 44 | 51 | 70 | 52 | 47 | 39 | 22 | 20 | 3 |
| | 45 | 55 | 63 | 71 | 61 | 45 | 24 | 1 | 1 |
| | 43 | 54 | 55 | 65 | 37 | 40 | 20 | 20 | 2 |
| | 52 | 54 | 57 | 61 | 39 | 41 | 21 | 3 | 4 |
| | 40 | 53 | 57 | 52 | 55 | 40 | 17 | 25 | 11 |
| | 52 | 50 | 52 | 50 | 50 | 37 | 25 | 15 | 13 |
| | 50 | 55 | 57 | 55 | 55 | 44 | 29 | 23 | 5 |
| | | | | | | | | | 6* |

35 51 53 55 37 25 11 0 -7

1395 1350 1395 1395 1380 1426 1320 1425 1665

-7 OCCURRED ON 01/04/47

A MONTH WITH LESS THAN 50% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION: 141
USARFAG, ASA VILLAGE

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM JANUARY 1954 TO 1964

STATION NUMBER: 723540 STATION NAME: TINKER AFB TX
LST TO UTC: +06

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 43 | 37 | 47 | 45 | 55 | 59 | 72 | 77 | 77 |
| 44 | 40 | 47 | 47 | 54 | 63 | 77 | 77 | 77 |
| 45 | 39 | 41 | 55 | 59 | 67 | 77 | 75 | 65 |
| 46 | 34 | 50 | | | | | | |
| 47 | 37 | 37 | 45 | 52 | 55 | 77 | 77 | 77 |
| 48 | 32 | 37 | 45 | 57 | 70 | 77 | 77 | 77 |
| 49 | 37 | 41 | 50 | 59 | 72 | 77 | 77 | 77 |
| 50 | 37 | 45 | 49 | 59 | 67 | 75 | 75 | 75 |
| 51 | 34 | 43 | 49 | 57 | 69 | 77 | 77 | 77 |
| 52 | 40 | 47 | 49 | 54 | 70 | 77 | 77 | 77 |
| 53 | 40 | 45 | 55 | 57 | 70 | 77 | 77 | 77 |
| 54 | 39 | 43 | 49 | 57 | 65 | 77 | 77 | 77 |
| 55 | 40 | 47 | 51 | 55 | 72 | 75 | 75 | 75 |
| 56 | 37 | 43 | 51 | 59 | 74 | 77 | 77 | 77 |
| 57 | 37 | 43 | 49 | 54 | 64 | 75 | 77 | 77 |
| 58 | 41 | 39 | 42 | 54 | 77 | 77 | 77 | 77 |
| 59 | 34 | 41 | 51 | 55 | 71 | 77 | 77 | 77 |
| 60 | 37 | 39 | 47 | 53 | 57 | 77 | 77 | 77 |
| 61 | 37 | 45 | 52 | 51 | 71 | 77 | 77 | 77 |
| 62 | 33 | 45 | 47 | 57 | 74 | 77 | 77 | 77 |
| 63 | 37 | 41 | 54 | 55 | 70 | 77 | 77 | 77 |
| 64 | 42 | 37 | 45 | 54 | 70 | 77 | 77 | 77 |
| 65 | 41 | 43 | 41 | 55 | 70 | 77 | 77 | 77 |
| 66 | 34 | 37 | 53 | 54 | 57 | 75 | 77 | 77 |
| 67 | 41 | 40 | 55 | 54 | 55 | 75 | 77 | 77 |
| 68 | 37 | 36 | 51 | 55 | 55 | 75 | 77 | 77 |
| 69 | 37 | 42 | 42 | 51 | 59 | 75 | 77 | 77 |
| 70 | 37 | 43 | 45 | 51 | 70 | 75 | 77 | 77 |
| 71 | 37 | 39 | 49 | 50 | 55 | 77 | 77 | 77 |
| 72 | 34 | 41 | 54 | 52 | 57 | 77 | 77 | 77 |
| 73 | 33 | 40 | 53 | 55 | 55 | 77 | 77 | 77 |
| 74 | 35 | 45 | 57 | 51 | 71 | 74 | 77 | 77 |
| 75 | 41 | 39 | 45 | 50 | 59 | 75 | 77 | 77 |

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

LINKER AIRPORT

PERIOD OF RECORD: 4301-1992
MONTH: ALL HOURS: ALL

| APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 5 | 65 | 70 | 75 | 87 | 74 | 62 | 51 | 37 | 62 |
| 6 | 69 | 73 | 81 | 82 | 73 | 65 | 52 | 37 | 61 |
| 7 | 67 | 75 | 79 | 80 | 72 | 62 | 53 | 35 | 60 |
| 8 | | | | | 72 | 65 | 52 | 45 | 64* |
| 9 | 65 | 77 | 80 | 88 | 75 | 70 | 47 | 42 | 61 |
| 10 | 70 | 78 | 81 | 90 | 76 | 64 | 49 | 43 | 61 |
| 11 | 72 | 78 | 83 | 78 | 72 | 62 | 55 | 42 | 60 |
| 12 | 69 | 76 | 76 | 76 | 71 | 63 | 43 | 39 | 60 |
| 13 | 69 | 77 | 85 | 88 | 74 | 64 | 44 | 42 | 61 |
| 14 | 70 | 83 | 83 | 86 | 76 | 62 | 50 | 41 | 62 |
| 15 | 73 | 86 | 83 | 87 | 77 | 65 | 51 | 41 | 63 |
| 16 | 65 | 65 | 82 | 77 | 71 | 66 | 54 | 44 | 65 |
| 17 | 72 | 78 | 88 | 88 | 77 | 63 | 47 | 40 | 62 |
| 18 | 74 | 81 | 86 | 85 | 79 | 69 | 49 | 44 | 63 |
| 19 | 68 | 75 | 85 | 82 | 72 | 60 | 45 | 47 | 61 |
| 20 | 72 | 78 | 82 | 82 | 74 | 64 | 53 | 38 | 60 |
| 21 | 71 | 77 | 83 | 81 | 74 | 60 | 45 | 45 | 62 |
| 22 | 67 | 77 | 79 | 80 | 75 | 65 | 52 | 37 | 60 |
| 23 | 71 | 77 | 80 | 80 | 71 | 63 | 47 | 37 | 60 |
| 24 | 74 | 78 | 81 | 82 | 71 | 65 | 50 | 41 | 60 |
| 25 | 70 | 79 | 83 | 82 | 75 | 71 | 52 | 33 | 61 |
| 26 | 70 | 75 | 85 | 81 | 73 | 61 | 52 | 40 | 61 |
| 27 | 70 | 77 | 84 | 81 | 74 | 62 | 57 | 43 | 62 |
| 28 | 62 | 75 | 87 | 77 | 69 | 60 | 54 | 37 | 60 |
| 29 | 65 | 75 | 77 | 77 | 69 | 61 | 48 | 40 | 60 |
| 30 | 65 | 75 | 79 | 80 | 71 | 62 | 47 | 38 | 59 |
| 31 | 69 | 75 | 84 | 89 | 74 | 65 | 49 | 41 | 60 |
| 32 | 70 | 76 | 81 | 83 | 75 | 64 | 46 | 44 | 60 |
| 33 | 65 | 77 | 80 | 77 | 73 | 64 | 50 | 43 | 60 |
| 34 | 67 | 77 | 80 | 81 | 77 | 62 | 44 | 34 | 59 |
| 35 | 65 | 75 | 79 | 79 | 70 | 65 | 53 | 40 | 59 |
| 36 | 71 | 74 | 82 | 76 | 66 | 64 | 51 | 41 | 60 |
| 37 | 69 | 75 | 80 | 81 | 70 | 64 | 52 | 43 | 60 |

OPERATING LOCATION: TINKER AFB
 OKLAHOMA, 73159-5000

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
 FROM JANUARY 1951 TO 1970

STATION NUMBER: 73159-5000 STATION NAME: TINKER AFB
 EST TO UTC: +05

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|------|-----|-----|-----|-----|-----|-----|-----|-----|
| 70 | 65 | 51 | 52 | 60 | 62 | 73 | 77 | 79 |
| 71 | 65 | 50 | 53 | 64 | 72 | 61 | 63 | 71 |
| 72 | 67 | 54 | 67 | 69 | 68 | 73 | 74 | 77 |
| 73 | 67 | 54 | 53 | 61 | 69 | 75 | 61 | 71 |
| 74 | 61 | 41 | 50 | 60 | 63 | 70 | 69 | 77 |
| 75 | 65 | 50 | 53 | 65 | 65 | 73 | 70 | 74 |
| 76 | 65 | 50 | 60 | 67 | 67 | 74 | 72 | 74 |
| 77 | 65 | 45 | 60 | 65 | 65 | 75 | 75 | 75 |
| 78 | 65 | 47 | 60 | 65 | 63 | 75 | 72 | 74 |
| 79 | 65 | 50 | 64 | 65 | 71 | 75 | 70 | 74 |
| 80 | 65 | 44 | 60 | 61 | 70 | 75 | 70 | 74 |
| 81 | 65 | 45 | 60 | 65 | 70 | 75 | 70 | 74 |
| 82 | 65 | 42 | 60 | 60 | 71 | 75 | 70 | 74 |
| 83 | 65 | 40 | 60 | 60 | 71 | 75 | 70 | 74 |

| | | | | | | | | |
|-----------|------|------|------|------|------|------|------|------|
| MEAN | 67.0 | 51.0 | 60.0 | 62.0 | 64.9 | 77.4 | 72.1 | 74.0 |
| TOTAL DYS | 1407 | 1307 | 1305 | 1300 | 1395 | 1300 | 1205 | 1300 |

NOTE: MEAN VALUE IS BASED ON A MONTH WITH DATA FROM 21 TO 31

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION: ABERDEEN

PERIOD OF RECORD: 4301-4302

MONTH: ALL HOURS: ALL

| ..... | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| ..... | 62 | 73 | 77 | 79 | 79 | 68 | 46 | 41 | 59 |
| ..... | 72 | 61 | 63 | 61 | 79 | 68 | 52 | 42 | 63 |
| ..... | 63 | 72 | 64 | 60 | 73 | 64 | 52 | 41 | 60 |
| ..... | 62 | 75 | 61 | 61 | 74 | 67 | 43 | 45 | 60 |
| ..... | 63 | 71 | 63 | 67 | 73 | 63 | 62 | 44 | 63 |
| ..... | 66 | 73 | 65 | 70 | 77 | 62 | 53 | 41 | 62 |
| ..... | 61 | 74 | 61 | 63 | 74 | 63 | 50 | 44 | 60 |
| ..... | 66 | 70 | 63 | 66 | 75 | 65 | 52 | 27 | 60 |
| ..... | 60 | 73 | 62 | 64 | 73 | 63 | 51 | 45 | 61 |
| ..... | 73 | 75 | 72 | 62 | 74 | 63 | 47 | 36 | 60 |
| ..... | 65 | 71 | 65 | 65 | 75 | 62 | 45 | 42 | 62 |
| ..... | 72 | 77 | 79 | 71 | 75 | 61 | 51 | 41 | 61 |
| ..... | 71 | 73 | 63 | 64 | 75 | 61 | 54 | 45 | 62 |
| ..... |  |  |  |  |  |  |  |  | 40* |

.....

| | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|
| | 65.4 | 77.4 | 72.1 | 61.5 | 73.9 | 63.3 | 50.1 | 40.7 | 60.6 |
|-------|------|------|------|------|------|------|------|------|------|

.....

| | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|-------|
| | 1395 | 1350 | 1378 | 1395 | 1340 | 1426 | 1340 | 1425 | 16656 |
|-------|------|------|------|------|------|------|------|------|-------|

.....

* MONTHS WITH LESS THAN 20% OF THE DATA AVAILABLE FOR THE MONTH

DRY GIL: TROPIC-1022'S PRIMARY
FARM GILLY, 10-20-10

100

| DATE | AREA | STANDARD
CONCENTRATION | TOTAL
FAS | STANDARD
CONCENTRATION | STANDARD
DEVIATION |
|-------|------|---------------------------|--------------|---------------------------|-----------------------|
| 03-12 | 34.5 | 1.733 | 330 | 0 | 3.1 |
| 03-16 | 33.5 | 1.713 | 330 | 0 | 4.5 |
| 04-07 | 21.5 | 1.091 | 330 | 0 | 1.9 |
| 08-11 | 35.5 | 1.777 | 330 | | 1.1 |
| 12-14 | 45.5 | 2.277 | 330 | 0 | 2 |
| 12-17 | 45.5 | 2.277 | 330 | | 1.7 |
| 13-1 | 35.5 | 1.777 | 330 | | 3.4 |
| 01-13 | 32.5 | 1.641 | 330 | 0 | 3.3 |
| Avg | 37.5 | 1.751 | 340.7 | | 2.17 |

| TABLE 1 | | | | CONTINUED | |
|---------------|-------|------------------|-------------------------|-----------|------------|
| Year | Age | Mean weight (kg) | Standard deviation (kg) | Number | Percentage |
| 1960 | 3 | 11.732 | 1.6 | 5 | 12.5 |
| 1961 | 3 | 11.617 | 1.6 | 5 | 12.5 |
| 1962 | 3 | 11.429 | 1.6 | 5 | 12.5 |
| 1963 | 3 | 12.671 | 1.6 | 5 | 12.5 |
| 1964 | 3 | 13.417 | 1.6 | 5 | 12.5 |
| 1965 | 3 | 13.376 | 1.6 | 5 | 12.5 |
| 1966 | 3 | 13.197 | 1.6 | 5 | 12.5 |
| 1967 | 3 | 12.663 | 1.6 | 5 | 12.5 |
| ALL
0-1975 | 3-1.3 | 12.617 | 1.7-1.6 | 5 | 12.5 |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION: ARL 16

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LT 3 LT 32 GE 65 GT 80 GE 93 HOURS

| | | | | | |
|---|------|----|---|---|------|
| 0 | 351 | 0 | 0 | 0 | 930 |
| 0 | 415 | 0 | 0 | 0 | 930 |
| 0 | 459 | 0 | 0 | 0 | 930 |
| 0 | 311 | 0 | 0 | 0 | 930 |
| 0 | 135 | 25 | 0 | 0 | 930 |
| 0 | 152 | 49 | 0 | 0 | 930 |
| 0 | 234 | 4 | 0 | 0 | 930 |
| 0 | 290 | 0 | 0 | 0 | 930 |
| 0 | 2417 | 79 | 0 | 0 | 7440 |

MONTH: FEB

| | | | | | |
|---|------|-----|---|---|------|
| 0 | 220 | 3 | 0 | 0 | 849 |
| 0 | 272 | 0 | 0 | 0 | 849 |
| 0 | 290 | 0 | 0 | 0 | 849 |
| 0 | 210 | 23 | 0 | 0 | 849 |
| 0 | 144 | 104 | 2 | 0 | 849 |
| 0 | 126 | 139 | 4 | 0 | 849 |
| 0 | 171 | 49 | 0 | 0 | 846 |
| 0 | 290 | 0 | 0 | 0 | 846 |
| 0 | 1551 | 327 | 6 | 0 | 6786 |

OPERATIONS LOCATION NAME
USARFAC, ACHVILLE, MO

DRY-BULB TEMPERATURE SUMMARY
FALL, 1964 - 1965

STATION NUMBER: 72544

STATION NAME: TINKER AFB, OK
EST TO UTC: + 5

PERIOD:
MONTH: 1

| 48HRS
EST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF HOURS
LT 1 LT 2 LT 3 | | |
|--------------|------|-----------------------|--------------|----------------------------------------|-----|--|
| 30-32 | 67.6 | 9.713 | 933 | 0 | 45 | |
| 03-05 | 66.2 | 8.363 | 937 | 0 | 66 | |
| 06-08 | 66.6 | 9.237 | 933 | 1 | 72 | |
| 09-11 | 61.7 | 10.177 | 933 | 0 | 37 | |
| 12-14 | 67.6 | 11.116 | 937 | 0 | 7 | |
| 15-17 | 67.3 | 11.331 | 933 | 1 | 2 | |
| 18-20 | 67.7 | 9.213 | 933 | 0 | 11 | |
| 21-23 | 66.6 | 9.123 | 937 | 0 | 27 | |
| ALL
48HRS | 67.2 | 11.217 | 7463 | 1 | 191 | |

TOTAL:

| | | | | | | |
|--------------|------|--------|------|---|-----|--|
| 30-32 | 67.6 | 9.713 | 933 | 0 | 45 | |
| 03-05 | 66.2 | 8.363 | 937 | 0 | 66 | |
| 06-08 | 66.6 | 9.237 | 933 | 1 | 72 | |
| 09-11 | 61.7 | 10.177 | 933 | 0 | 37 | |
| 12-14 | 67.6 | 11.116 | 937 | 0 | 7 | |
| 15-17 | 67.3 | 11.331 | 933 | 1 | 2 | |
| 18-20 | 67.7 | 9.213 | 933 | 0 | 11 | |
| 21-23 | 66.6 | 9.123 | 937 | 0 | 27 | |
| ALL
48HRS | 67.2 | 11.217 | 7463 | 1 | 191 | |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

PINKER AFB, OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAR

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 32 LE 32 GE 65 GE 60 GE 93 HOURS

| | | | | | |
|---|-----|------|----|---|------|
| 0 | 46 | 31 | 0 | 0 | 930 |
| 0 | 66 | 24 | 0 | 0 | 930 |
| 0 | 79 | 15 | 0 | 0 | 930 |
| 0 | 87 | 92 | 0 | 0 | 930 |
| 0 | 7 | 333 | 12 | 0 | 930 |
| 0 | 3 | 333 | 14 | 0 | 930 |
| 0 | 11 | 165 | 0 | 0 | 930 |
| 0 | 22 | 60 | 0 | 0 | 930 |
| 0 | 251 | 1004 | 26 | 0 | 7440 |

MONTH: APR

| | | | | | |
|---|---|------|-----|---|------|
| 0 | 0 | 145 | 0 | 0 | 999 |
| 0 | 3 | 96 | 0 | 0 | 900 |
| 0 | 3 | 125 | 0 | 0 | 900 |
| 0 | 0 | 372 | 13 | 0 | 900 |
| 0 | 0 | 542 | 126 | 3 | 900 |
| 0 | 0 | 590 | 169 | 5 | 900 |
| 0 | 0 | 449 | 34 | 0 | 900 |
| 0 | 0 | 271 | 1 | 0 | 900 |
| 0 | 6 | 2592 | 343 | 8 | 7199 |

OPERATING LOCATION: "A"
USAFETAC, ASHEVILLE, NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: 05

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF HOURS AT
LE 0 LE 32 34 |
|--------------|------|-----------------------|--------------|------------------------------------------|
| 00-02 | 63.8 | 6.523 | 930 | 0 0 4 |
| 03-05 | 61.0 | 6.615 | 930 | 0 0 3 |
| 06-08 | 63.2 | 6.699 | 930 | 0 0 4 |
| 09-11 | 70.2 | 7.503 | 930 | 0 0 7 |
| 12-14 | 75.0 | 8.125 | 930 | 0 0 5 |
| 15-17 | 75.3 | 8.006 | 930 | 0 0 5 |
| 18-20 | 72.0 | 7.251 | 930 | 0 0 7 |
| 21-23 | 67.0 | 6.479 | 930 | 0 0 5 |
| ALL
HOURS | 68.7 | 6.801 | 7440 | 0 0 50 |

MONTH: JUN

| | | | | |
|--------------|------|-------|------|--------|
| 00-02 | 71.7 | 6.411 | 900 | 0 0 5 |
| 03-05 | 69.8 | 6.025 | 900 | 0 0 7 |
| 06-08 | 71.5 | 6.477 | 900 | 0 0 5 |
| 09-11 | 79.3 | 6.333 | 900 | 0 0 8 |
| 12-14 | 83.8 | 6.756 | 900 | 0 0 8 |
| 15-17 | 84.5 | 7.023 | 900 | 0 0 8 |
| 18-20 | 80.3 | 6.565 | 900 | 0 0 8 |
| 21-23 | 74.9 | 6.459 | 900 | 0 0 8 |
| ALL
HOURS | 77.0 | 6.149 | 7100 | 0 0 50 |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

WFO ARB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

| | | | | | |
|---|---|------|-----|----|------|
| 0 | 0 | 449 | 6 | 0 | 930 |
| 0 | 0 | 334 | 0 | 0 | 930 |
| 0 | 0 | 413 | 3 | 0 | 930 |
| 0 | 0 | 714 | 25 | 1 | 930 |
| 0 | 0 | 835 | 309 | 5 | 930 |
| 0 | 0 | 846 | 341 | 10 | 930 |
| 0 | 0 | 784 | 125 | 2 | 930 |
| 0 | 0 | 626 | 15 | 0 | 930 |
| 0 | 0 | 5001 | 495 | 18 | 7440 |

MONTH: JUN

| | | | | | |
|---|---|------|------|-----|------|
| 0 | 0 | 310 | 49 | 0 | 900 |
| 0 | 0 | 769 | 12 | 0 | 900 |
| 0 | 0 | 810 | 55 | 0 | 900 |
| 0 | 0 | 881 | 477 | 14 | 900 |
| 0 | 0 | 891 | 634 | 74 | 898 |
| 0 | 0 | 894 | 713 | 100 | 900 |
| 0 | 0 | 887 | 508 | 21 | 900 |
| 0 | 0 | 863 | 191 | 2 | 900 |
| 0 | 0 | 6805 | 2639 | 211 | 7198 |

OPERATING LOCATION: "A"
USAFETAC, ASHTVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM JULY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

| | | | | | |
|--------------|-------|-----------|-------|----------------------|-------|
| HOURS | MEAN | STANDARD | TOTAL | MEAN NUMBER OF HOURS | |
| LST | | DEVIATION | OBS | LT 0 | LT 32 |
| 00-02 | 77.1 | 4.034 | 930 | 0 | 0 |
| 03-05 | 74.5 | 5.615 | 930 | 0 | 0 |
| 06-08 | 75.2 | 4.357 | 930 | 0 | 0 |
| 09-11 | 75.0 | 5.435 | 930 | 0 | 0 |
| 12-14 | 73.5 | 5.605 | 930 | 0 | 0 |
| 15-17 | 71.7 | 5.548 | 930 | 0 | 0 |
| 18-20 | 70.0 | 5.110 | 930 | 0 | 0 |
| 21-23 | 69.7 | 4.829 | 930 | 0 | 0 |
| ALL
HOURS | 72.5 | 4.155 | 7440 | 0 | 0 |
| | | | | | |

.....

| | | | | | |
|--------------|-------|-------|-------|-------|-------|
| 00-02 | 75.9 | 4.503 | 930 | 0 | 0 |
| 03-05 | 74.5 | 4.325 | 930 | 0 | 0 |
| 06-08 | 75.2 | 4.775 | 930 | 0 | 0 |
| 09-11 | 74.2 | 5.193 | 930 | 0 | 0 |
| 12-14 | 72.3 | 5.452 | 930 | 0 | 0 |
| 15-17 | 71.3 | 5.624 | 930 | 0 | 0 |
| 18-20 | 66.1 | 5.347 | 930 | 0 | 0 |
| 21-23 | 60.3 | 5.057 | 930 | 0 | 0 |
| ALL
HOURS | 72.3 | 4.389 | 7440 | 0 | 0 |
| | | | | | |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

| | | | | | |
|---|---|------|------|------|------|
| 0 | 0 | 928 | 244 | 0 | 930 |
| 0 | 0 | 924 | 77 | 0 | 930 |
| 0 | 0 | 926 | 266 | 0 | 930 |
| 0 | 0 | 930 | 782 | 92 | 930 |
| 0 | 0 | 930 | 579 | 355 | 930 |
| 0 | 0 | 930 | 598 | 423 | 930 |
| 0 | 0 | 930 | 542 | 179 | 930 |
| 0 | 0 | 930 | 544 | 5 | 930 |
| 0 | 0 | 7425 | 4471 | 1064 | 7440 |

MONTH: AUG

| | | | | | |
|---|---|------|------|------|------|
| 0 | 0 | 915 | 277 | 0 | 930 |
| 0 | 0 | 897 | 81 | 0 | 930 |
| 0 | 0 | 904 | 130 | 0 | 930 |
| 0 | 0 | 930 | 733 | 62 | 930 |
| 0 | 0 | 930 | 462 | 395 | 930 |
| 0 | 0 | 930 | 874 | 465 | 930 |
| 0 | 0 | 930 | 785 | 134 | 930 |
| 0 | 0 | 926 | 576 | 0 | 930 |
| 0 | 0 | 7365 | 4365 | 1046 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHTVILLE, NC

DRY BULB TEMPERATURE SUMMARY
EACH HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD
MONTH:

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF HOURS
LST 0 LST 30 |
|--------------|------|-----------------------|--------------|--------------------------------------|
| 00-02 | 63.6 | 7.491 | 900 | 0 0 |
| 03-05 | 67.3 | 7.422 | 900 | 0 0 |
| 06-08 | 67.2 | 7.713 | 900 | 0 0 |
| 09-11 | 70.5 | 7.300 | 900 | 0 0 |
| 12-14 | 71.7 | 6.745 | 900 | 0 0 |
| 15-17 | 72.0 | 6.742 | 900 | 0 0 |
| 18-20 | 77.1 | 6.734 | 900 | 0 0 |
| 21-23 | 72.1 | 7.011 | 900 | 0 0 |
| ALL
HOURS | 74.2 | 10.259 | 7200 | |

NOTE:

| | | | | |
|--------------|------|--------|------|-----|
| 00-02 | 68.2 | 8.214 | 930 | 0 0 |
| 03-05 | 65.3 | 8.108 | 930 | 0 0 |
| 06-08 | 65.1 | 8.153 | 930 | 0 0 |
| 09-11 | 63.0 | 8.551 | 930 | 0 0 |
| 12-14 | 69.6 | 8.240 | 930 | 0 0 |
| 15-17 | 70.2 | 8.636 | 930 | 0 0 |
| 18-20 | 64.2 | 8.631 | 930 | 0 0 |
| 21-23 | 60.4 | 8.067 | 930 | 0 0 |
| ALL
HOURS | 62.3 | 10.035 | 7440 | 0 0 |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB JK
ELEVATION: 1100

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 0 LE 32 GE 65 GE 80 GE 93 HOURS

| | | | | | |
|---|---|------|------|-----|------|
| 0 | 0 | 700 | 42 | 0 | 900 |
| 0 | 0 | 631 | 11 | 0 | 900 |
| 0 | 0 | 610 | 20 | 0 | 900 |
| 0 | 0 | 791 | 334 | 8 | 900 |
| 0 | 0 | 848 | 501 | 97 | 900 |
| 0 | 0 | 861 | 615 | 126 | 900 |
| 0 | 0 | 823 | 401 | 19 | 900 |
| 0 | 0 | 751 | 141 | 0 | 900 |
| 0 | 0 | 5021 | 2166 | 250 | 7200 |

MONTH: OCT

| | | | | | |
|---|---|------|-----|---|------|
| 0 | 0 | 213 | 1 | 0 | 930 |
| 0 | 0 | 156 | 0 | 0 | 930 |
| 0 | 0 | 151 | 0 | 0 | 930 |
| 0 | 0 | 434 | 32 | 0 | 930 |
| 0 | 0 | 667 | 120 | 0 | 930 |
| 0 | 0 | 673 | 150 | 2 | 930 |
| 0 | 0 | 466 | 35 | 0 | 930 |
| 0 | 0 | 295 | 5 | 0 | 930 |
| 0 | 0 | 3060 | 343 | 2 | 7440 |

OPERATING LOCATION: "A"
USAF TAG, ABWVILL, MO

DAY-BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PTAI
MONT

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF
L - 3 L - 32 | |
|--------------|------|-----------------------|--------------|--------------------------------|------|
| 00-02 | 45.8 | 12.235 | 900 | 0 | 63 |
| 03-05 | 45.3 | 11.392 | 900 | 0 | 24 |
| 06-08 | 44.5 | 10.346 | 900 | 0 | 100 |
| 09-11 | 50.3 | 12.178 | 900 | | 71 |
| 12-14 | 53.0 | 11.090 | 900 | 0 | 16 |
| 15-17 | 55.0 | 11.981 | 900 | 0 | 16 |
| 18-20 | 51.4 | 12.243 | 900 | | 31 |
| 21-23 | 51.1 | 11.147 | 900 | 0 | 47 |
| ALL
HOURS | 50.5 | 11.561 | 7200 | 0 | 206 |
| 00-02 | 37.5 | 11.004 | 930 | 0 | 26 |
| 03-05 | 36.4 | 11.190 | 930 | 0 | 203 |
| 06-08 | 36.0 | 11.137 | 930 | 0 | 323 |
| 09-11 | 37.0 | 11.634 | 930 | 0 | 202 |
| 12-14 | 40.1 | 12.767 | 930 | 0 | 122 |
| 15-17 | 56.0 | 12.822 | 930 | 0 | 122 |
| 18-20 | 41.0 | 11.188 | 930 | 0 | 164 |
| 21-23 | 39.2 | 10.758 | 930 | 0 | 200 |
| ALL
HOURS | 40.5 | 12.274 | 7440 | 0 | 1710 |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION: 15

PERIOD OF RECORD: MAR 79 - APR 89
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 32 LT 32 GE 60 GE 80 GE 93 HOURS

| | | | | | |
|---|-----|-----|----|---|------|
| 0 | 53 | 47 | 0 | 0 | 900 |
| 0 | 34 | 65 | 0 | 0 | 900 |
| 0 | 100 | 43 | 0 | 0 | 900 |
| 0 | 21 | 108 | 0 | 0 | 900 |
| 0 | 16 | 252 | 13 | 0 | 900 |
| 0 | 14 | 262 | 16 | 0 | 900 |
| 0 | 21 | 101 | 0 | 0 | 900 |
| 0 | 46 | 54 | 0 | 0 | 900 |
| 0 | 305 | 913 | 23 | 0 | 7200 |

MONTH: DEC

| | | | | | |
|---|------|-----|---|---|------|
| 0 | 265 | 5 | 0 | 0 | 930 |
| 0 | 293 | 5 | 0 | 0 | 930 |
| 0 | 325 | 7 | 0 | 0 | 930 |
| 0 | 202 | 12 | 0 | 0 | 930 |
| 0 | 127 | 44 | 0 | 0 | 930 |
| 0 | 122 | 65 | 0 | 0 | 930 |
| 0 | 164 | 5 | 0 | 0 | 930 |
| 0 | 220 | 5 | 0 | 0 | 930 |
| 0 | 1719 | 140 | 0 | 0 | 7440 |

OPERATING LOCATION: MAW
 USAFATAC, ASHVILLE NC

DAY-HOLE TESTS: 1965
 FROM: 1965-1-15 TO: 1965-1-15

STATION NUMBER: 723-40 STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

DATE
 TIME

| | | | | | |
|---------------|--------|-----------------------|--------|-------------------|-------------------|
| NO. OF
LST | MEAN | STANDARD
DEVIATION | TOTAL | MEAN, MINUTE, SEC | MEAN, MINUTE, SEC |
| | | | | | |
| 00-00 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 05-05 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 10-10 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 15-15 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 20-20 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 25-25 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 30-30 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 35-35 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 40-40 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 45-45 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 50-50 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 55-55 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 60-60 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 65-65 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 70-70 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 75-75 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 80-80 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 85-85 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 90-90 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 95-95 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| 100-100 | 17.617 | 17.633 | 1098.7 | 17 | 17.6 |
| | | | | | |

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION: AFS 26

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: ALL

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|-------|--|-------|
| LT 0 | LT 32 | GE 55 | GE 80 | GE 93 | | HOURS |
| 0 | 265 | 4250 | 519 | 0 | | 10959 |
| 0 | 1133 | 3443 | 141 | 0 | | 10959 |
| 0 | 1255 | 4005 | 453 | 0 | | 10959 |
| 0 | 741 | 5244 | 2455 | 177 | | 10959 |
| 0 | 440 | 5352 | 3508 | 929 | | 10959 |
| 0 | 427 | 5573 | 3746 | 1131 | | 10959 |
| 0 | 511 | 5540 | 2731 | 955 | | 10959 |
| 0 | 747 | 4724 | 1473 | 7 | | 10956 |
| 0 | 5449 | 41740 | 15337 | 2589 | | 87503 |

OPERATING LOCATION: WAW
JSAWETAC, ASHVILLE, NC

REF: BOLT IN ALLOCATION SECURITY
BOLT 41, JULY 1955, 22, 11, 10

STATION NUMBER: 72040

STATION NAME: TINKER AIRFIELD
LST TO UTC: + 6

UNIT: 1
TIME: 1

| ALLOS
LST | STATION
DEVIATION | TOTAL
LST | STATION
DEVIATION | STATION
DEVIATION |
|--------------|----------------------|--------------|----------------------|----------------------|
| 00-10 | 20.0 | 20.0 | 20.0 | 20.0 |
| 03-10 | 20.0 | 20.0 | 20.0 | 20.0 |
| 06-10 | 20.0 | 20.0 | 20.0 | 20.0 |
| 09-11 | 20.0 | 20.0 | 20.0 | 20.0 |
| 12-14 | 20.0 | 20.0 | 20.0 | 20.0 |
| 15-17 | 20.0 | 20.0 | 20.0 | 20.0 |
| 18-20 | 20.0 | 20.0 | 20.0 | 20.0 |
| 21-23 | 20.0 | 20.0 | 20.0 | 20.0 |
| ALL
TOTAL | 20.0 | 20.0 | 20.0 | 20.0 |

| | | | | |
|--------------|------|------|------|------|
| 24-26 | 20.0 | 20.0 | 20.0 | 20.0 |
| 29-31 | 20.0 | 20.0 | 20.0 | 20.0 |
| 34-36 | 20.0 | 20.0 | 20.0 | 20.0 |
| 39-41 | 20.0 | 20.0 | 20.0 | 20.0 |
| 42-44 | 20.0 | 20.0 | 20.0 | 20.0 |
| 45-47 | 20.0 | 20.0 | 20.0 | 20.0 |
| 48-50 | 20.0 | 20.0 | 20.0 | 20.0 |
| 51-53 | 20.0 | 20.0 | 20.0 | 20.0 |
| ALL
TOTAL | 20.0 | 20.0 | 20.0 | 20.0 |

NET POND TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

INCHES AFD JK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|-------|--|-------|
| L- 32 | GT 50 | GE 57 | GE 73 | GE 80 | | HOURS |
| 532 | 21 | 0 | 0 | 0 | | 930 |
| 571 | 11 | 0 | 0 | 0 | | 929 |
| 575 | 20 | 0 | 0 | 0 | | 930 |
| 435 | 32 | 0 | 0 | 0 | | 930 |
| 325 | 77 | 0 | 0 | 0 | | 930 |
| 245 | 105 | 0 | 0 | 0 | | 930 |
| 373 | 43 | 0 | 0 | 0 | | 930 |
| 459 | 25 | 0 | 0 | 0 | | 930 |
| 3345 | 337 | 0 | 0 | 0 | | 7430 |

MONTH: FEB

| | | | | | | |
|------|-----|---|---|---|--|------|
| 350 | 53 | 0 | 0 | 0 | | 849 |
| 345 | 52 | 0 | 0 | 0 | | 849 |
| 404 | 41 | 0 | 0 | 0 | | 849 |
| 396 | 42 | 0 | 0 | 0 | | 849 |
| 234 | 174 | 0 | 0 | 0 | | 849 |
| 224 | 193 | 0 | 0 | 0 | | 849 |
| 245 | 127 | 0 | 0 | 0 | | 845 |
| 200 | 02 | 0 | 0 | 0 | | 846 |
| 2441 | 319 | 0 | 0 | 0 | | 6785 |

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE, NC

NET SOLAR TEMPERATURE SUMMARY
FOR 14 HOURLY OBSERVATIONS

STATION NUMBER: 723642

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

2.211
10014

|
HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
COUNT | MEAN TEMPERATURE
LST | MEAN TEMPERATURE
UTC |
|-----------------------|------|-----------------------|----------------|-------------------------|-------------------------|
| 00-02 | 42.4 | 0.042 | 330 | 122 | 234 |
| 03-05 | 42.2 | 0.074 | 430 | 142 | 160 |
| 06-08 | 43.5 | 0.041 | 330 | 174 | 168 |
| 09-11 | 44.2 | 0.124 | 440 | 21 | 342 |
| 12-14 | 42.2 | 0.033 | 330 | 4 | 44 |
| 15-17 | 41.2 | 0.056 | 330 | 6 | 442 |
| 18-20 | 40.4 | 0.457 | 330 | 57 | 337 |
| 21-23 | 40.3 | 0.522 | 330 | 7 | 347 |
| ALL
HOURS | 42.4 | 0.344 | 7470 | 791 | 2,111 |

| | | | | | |
|--------------|------|-------|------|----|------|
| 24-26 | 43.5 | 0.441 | 330 | 7 | 447 |
| 27-29 | 43.7 | 0.503 | 430 | 13 | 437 |
| 30-31 | 41.5 | 0.224 | 430 | 12 | 417 |
| 32-34 | 53.1 | 0.246 | 900 | 3 | 536 |
| 35-37 | 50.5 | 0.499 | 600 | 1 | 576 |
| 38-40 | 55.5 | 0.221 | 200 | 0 | 613 |
| 41-43 | 53.7 | 0.223 | 900 | 0 | 626 |
| 44-46 | 51.5 | 0.226 | 900 | 3 | 516 |
| ALL
HOURS | 52.1 | 0.222 | 7100 | 35 | 4361 |

NET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 77 - FEB 89

MONTH: MAR

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|-------|--|-------|
| LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | | HOURS |
| 122 | 203 | 1 | 0 | 0 | | 930 |
| 142 | 166 | 0 | 0 | 0 | | 930 |
| 174 | 146 | 0 | 0 | 0 | | 930 |
| 31 | 269 | 4 | 0 | 0 | | 930 |
| 42 | 399 | 15 | 0 | 0 | | 930 |
| 35 | 442 | 12 | 0 | 0 | | 930 |
| 57 | 337 | 4 | 0 | 0 | | 930 |
| 45 | 249 | 2 | 0 | 0 | | 930 |
| 741 | 2211 | 32 | 0 | 0 | | 7440 |

MONTH: APR

| | | | | | | |
|----|------|-----|---|---|--|------|
| 5 | 449 | 10 | 0 | 0 | | 999 |
| 13 | 402 | 3 | 0 | 0 | | 900 |
| 12 | 418 | 7 | 0 | 0 | | 900 |
| 3 | 565 | 54 | 0 | 0 | | 900 |
| 1 | 675 | 93 | 3 | 0 | | 899 |
| 0 | 698 | 101 | 3 | 0 | | 900 |
| 0 | 626 | 53 | 0 | 0 | | 900 |
| 3 | 515 | 26 | 0 | 0 | | 900 |
| 35 | 4348 | 352 | 6 | 0 | | 7198 |

OPERATING LOCATION: "A"
USAFETAG, ASHEVILLE, NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723543

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH: "

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
HRS | MEAN NUMBER OF HOURS
LE 32 35 50 57 | | | |
|--------------|------|-----------------------|--------------|----------------------------------------|------|--|--|
| 00-02 | 56.6 | 5.235 | 930 | 0 | 544 | | |
| 03-05 | 57.5 | 5.549 | 930 | 0 | 511 | | |
| 06-08 | 58.6 | 5.482 | 930 | 0 | 534 | | |
| 09-11 | 51.2 | 5.235 | 930 | 0 | 500 | | |
| 12-14 | 53.2 | 5.021 | 930 | 0 | 513 | | |
| 15-17 | 54.2 | 5.031 | 930 | 0 | 514 | | |
| 18-20 | 52.4 | 5.105 | 930 | 0 | 504 | | |
| 21-23 | 51.3 | 5.095 | 930 | 0 | 502 | | |
| ALL
HOURS | 54.9 | 5.757 | 7410 | 0 | 5011 | | |

| PERIOD: | | | | | | | |
|--------------|------|-------|------|---|------|--|--|
| 00-02 | 55.1 | 4.960 | 900 | 0 | 504 | | |
| 03-05 | 56.1 | 4.933 | 800 | 0 | 505 | | |
| 06-08 | 55.4 | 4.912 | 900 | 0 | 500 | | |
| 09-11 | 70.1 | 4.897 | 900 | 0 | 500 | | |
| 12-14 | 71.2 | 4.915 | 835 | 0 | 515 | | |
| 15-17 | 71.3 | 4.910 | 900 | 0 | 500 | | |
| 18-20 | 70.2 | 4.925 | 900 | 0 | 500 | | |
| 21-23 | 57.9 | 4.737 | 900 | 0 | 500 | | |
| ALL
HOURS | 59.7 | 5.430 | 7197 | 0 | 7197 | | |

NET RULR TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 32 GE 50 GE 57 GE 73 GE 80 HOURS

| | | | | | |
|---|------|------|-----|---|------|
| 0 | 844 | 91 | 9 | 0 | 930 |
| 0 | 811 | 65 | 1 | 0 | 930 |
| 0 | 834 | 77 | 5 | 0 | 930 |
| 0 | 822 | 237 | 25 | 0 | 930 |
| 0 | 913 | 346 | 55 | 1 | 930 |
| 0 | 914 | 353 | 56 | 3 | 929 |
| 0 | 924 | 255 | 35 | 1 | 930 |
| 0 | 882 | 141 | 13 | 0 | 930 |
| 0 | 7001 | 1563 | 211 | 5 | 7439 |

MONTH: JUN

| | | | | | |
|---|------|------|------|----|------|
| 0 | 899 | 475 | 55 | 0 | 900 |
| 0 | 895 | 412 | 25 | 0 | 899 |
| 0 | 890 | 493 | 59 | 0 | 900 |
| 0 | 900 | 703 | 315 | 3 | 900 |
| 0 | 893 | 757 | 452 | 14 | 898 |
| 0 | 900 | 759 | 450 | 23 | 900 |
| 0 | 900 | 700 | 318 | 12 | 900 |
| 0 | 900 | 587 | 142 | 1 | 900 |
| 0 | 7190 | 4893 | 1437 | 53 | 7197 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

NET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723549

STATION NAME: TINKER AFB, OK
LST TO UTC: + 6

PERIOD OF
MONTH: JAN

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
HRS | MEAN NUMBER OF HOURS OF
LT 32 OF 50 | OF | OF |
|--------------|------|-----------------------|--------------|----------------------------------------|------|----|
| 00-02 | 69.0 | 3.203 | 930 | 0 | 930 | 0 |
| 03-05 | 67.0 | 3.457 | 930 | 0 | 930 | 0 |
| 06-08 | 69.0 | 3.423 | 930 | 0 | 930 | 0 |
| 09-11 | 70.7 | 2.929 | 930 | 0 | 930 | 0 |
| 12-14 | 74.1 | 2.893 | 930 | 0 | 930 | 0 |
| 15-17 | 74.0 | 2.778 | 930 | 0 | 930 | 0 |
| 18-20 | 72.6 | 2.927 | 930 | 0 | 930 | 0 |
| 21-23 | 70.4 | 3.038 | 930 | 0 | 930 | 0 |
| ALL
HOURS | 71.2 | 3.229 | 7440 | 0 | 7440 | 0 |

MONTH: FEB

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
HRS | MEAN NUMBER OF HOURS OF
LT 32 OF 50 | OF | OF |
|--------------|------|-----------------------|--------------|----------------------------------------|------|----|
| 00-02 | 68.5 | 3.316 | 930 | 0 | 930 | 0 |
| 03-05 | 67.6 | 3.730 | 930 | 0 | 930 | 0 |
| 06-08 | 68.4 | 3.965 | 930 | 0 | 930 | 0 |
| 09-11 | 72.2 | 3.765 | 930 | 0 | 930 | 0 |
| 12-14 | 73.0 | 3.659 | 930 | 0 | 930 | 0 |
| 15-17 | 73.7 | 3.656 | 930 | 0 | 930 | 0 |
| 18-20 | 72.0 | 3.661 | 930 | 0 | 930 | 0 |
| 21-23 | 69.9 | 3.631 | 930 | 0 | 930 | 0 |
| ALL
HOURS | 70.6 | 4.446 | 7437 | 0 | 7437 | 0 |

NET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUL

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 32 DE 50 GE 67 GE 73 GE 80 HOURS

| | | | | | |
|---|------|------|------|----|------|
| 0 | 930 | 727 | 101 | 0 | 930 |
| 0 | 930 | 623 | 55 | 0 | 930 |
| 0 | 930 | 717 | 126 | 0 | 930 |
| 0 | 930 | 892 | 523 | 0 | 930 |
| 0 | 930 | 917 | 697 | 10 | 930 |
| 0 | 930 | 917 | 631 | 13 | 930 |
| 0 | 930 | 895 | 511 | 4 | 930 |
| 0 | 930 | 827 | 241 | 1 | 930 |
| 0 | 7440 | 6520 | 2337 | 26 | 7440 |

MONTH: AUG

| | | | | | |
|---|------|------|------|----|------|
| 0 | 930 | 639 | 107 | 0 | 930 |
| 0 | 930 | 630 | 41 | 0 | 930 |
| 0 | 928 | 667 | 106 | 0 | 928 |
| 0 | 929 | 859 | 432 | 0 | 929 |
| 0 | 930 | 888 | 665 | 21 | 930 |
| 0 | 930 | 887 | 644 | 17 | 930 |
| 0 | 930 | 852 | 447 | 1 | 930 |
| 0 | 930 | 784 | 224 | 0 | 930 |
| 0 | 7437 | 6253 | 2726 | 39 | 7437 |

OPERATING LOCATION "A"
USAFHAG, ASHEVILLE NC

NET WIND TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
EST TO WIC: + 5

PERIOD
4 MTH

| | | | | | |
|--------------|-------|-----------|-------|----------------------|-------|
| HOURS | MEAN | STANDARD | TOTAL | MEAN NUMBER OF HOURS | |
| EST | | DEVIATION | DEG | LT 32 | GE 32 |
| 00-02 | 52.5 | 7.107 | 900 | 0 | 145 |
| 03-05 | 51.5 | 7.409 | 900 | 0 | 131 |
| 06-08 | 51.5 | 7.511 | 900 | 0 | 131 |
| 09-11 | 55.5 | 7.647 | 900 | 0 | 148 |
| 12-14 | 57.5 | 7.355 | 900 | 0 | 171 |
| 15-17 | 57.5 | 7.132 | 900 | 1 | 171 |
| 18-20 | 55.7 | 6.955 | 900 | 0 | 171 |
| 21-23 | 53.5 | 7.173 | 900 | 0 | 157 |
| ALL
HOURS | 54.5 | 7.647 | 7200 | 1 | 1447 |
| | | | | | |

| | | | | | |
|--------------|-------|-------|-------|-------|-------|
| 00-02 | 52.5 | 7.535 | 930 | 0 | 172 |
| 03-05 | 51.5 | 7.633 | 930 | 0 | 127 |
| 06-08 | 51.5 | 7.525 | 930 | 0 | 131 |
| 09-11 | 55.9 | 7.394 | 930 | 0 | 117 |
| 12-14 | 57.5 | 7.524 | 930 | 0 | 227 |
| 15-17 | 59.4 | 7.622 | 930 | 0 | 205 |
| 18-20 | 55.9 | 7.930 | 930 | 0 | 205 |
| 21-23 | 54.0 | 6.154 | 930 | 2 | 133 |
| ALL
HOURS | 54.5 | 6.522 | 7439 | 16 | 1274 |
| | | | | | |

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

INLET AIR DRY

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LT 32 GE 30 GE 67 GE 73 GE 80 HOURS

| | | | | | |
|---|-----|------|-----|---|------|
| 0 | 846 | 336 | 5 | 0 | 900 |
| 0 | 831 | 246 | 6 | 0 | 900 |
| 0 | 831 | 297 | 10 | 0 | 900 |
| 0 | 868 | 500 | 167 | 1 | 900 |
| 0 | 870 | 540 | 276 | 3 | 900 |
| 0 | 870 | 593 | 296 | 0 | 900 |
| 0 | 870 | 480 | 120 | 0 | 900 |
| 0 | 857 | 343 | 24 | 0 | 900 |
| 0 | 840 | 3473 | 364 | 4 | 7200 |

MONTH: OCT

| | | | | | |
|----|------|-----|----|---|------|
| 6 | 572 | 53 | 0 | 0 | 930 |
| 4 | 527 | 34 | 0 | 0 | 930 |
| 6 | 531 | 31 | 0 | 0 | 930 |
| 0 | 717 | 89 | 5 | 0 | 930 |
| 0 | 797 | 151 | 14 | 0 | 930 |
| 0 | 795 | 151 | 18 | 0 | 930 |
| 0 | 706 | 83 | 8 | 0 | 929 |
| 2 | 633 | 57 | 2 | 0 | 930 |
| 18 | 5278 | 649 | 47 | 0 | 7439 |

OPERATING LOCATION "A"
USAF TAC, ASHBVILLE, NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH:

| HOURLS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF HOURS
LT 32 SE 30 | |
|---------------|------|-----------------------|--------------|-------------------------------------|------|
| 00-02 | 42.5 | 1.750 | 300 | 134 | 201 |
| 03-05 | 41.7 | 1.330 | 300 | 175 | 191 |
| 06-08 | 41.2 | 1.332 | 300 | 192 | 194 |
| 09-11 | 44.8 | 2.135 | 300 | 193 | 268 |
| 12-14 | 47.7 | 2.714 | 300 | 189 | 345 |
| 15-17 | 47.7 | 2.449 | 300 | 163 | 313 |
| 18-20 | 44.2 | 2.232 | 300 | 171 | 245 |
| 21-23 | 43.3 | 2.597 | 300 | 184 | 227 |
| ALL
HOURS | 44.2 | 1.933 | 2100 | 161 | 1049 |

| TOTAL: | | | | | |
|--------------|------|--------|------|------|-----|
| 00-02 | 34.2 | 10.432 | 930 | 367 | 17 |
| 03-05 | 27.2 | 10.706 | 920 | 422 | 1 |
| 06-08 | 32.5 | 10.780 | 930 | 481 | 43 |
| 09-11 | 35.1 | 10.862 | 920 | 525 | 0 |
| 12-14 | 39.4 | 10.715 | 930 | 220 | 191 |
| 15-17 | 39.7 | 10.523 | 930 | 266 | 123 |
| 18-20 | 35.2 | 10.038 | 930 | 257 | 59 |
| 21-23 | 35.2 | 10.054 | 930 | 310 | 65 |
| ALL
HOURS | 35.9 | 10.809 | 7430 | 2568 | 508 |

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION: AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 32 GE 50 GE 57 GE 73 GE 80 HOURS

| | | | | | |
|-----|------|----|---|---|------|
| 134 | 291 | 6 | 0 | 0 | 900 |
| 175 | 191 | 7 | 0 | 0 | 900 |
| 192 | 144 | 8 | 0 | 0 | 900 |
| 211 | 165 | 17 | 0 | 0 | 900 |
| 230 | 345 | 22 | 0 | 0 | 999 |
| 245 | 313 | 14 | 0 | 0 | 879 |
| 261 | 255 | 3 | 0 | 0 | 900 |
| 274 | 225 | 3 | 0 | 0 | 900 |
| 341 | 2099 | 80 | 0 | 0 | 7197 |

MONTH: DEC

| | | | | | |
|------|-----|---|---|---|------|
| 357 | 57 | 0 | 0 | 0 | 930 |
| 422 | 51 | 0 | 0 | 0 | 930 |
| 461 | 49 | 0 | 0 | 0 | 930 |
| 325 | 60 | 0 | 0 | 0 | 930 |
| 220 | 131 | 0 | 0 | 0 | 930 |
| 206 | 123 | 0 | 0 | 0 | 930 |
| 257 | 59 | 0 | 0 | 0 | 930 |
| 310 | 55 | 0 | 0 | 0 | 930 |
| 2568 | 605 | 0 | 0 | 0 | 7434 |

OPERATING LOCATION NAME
USAFETAC, AGG-VILLE, NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 223640

STATION NAME: TILGHMAN ARB US
LST TO UTC: + 5

PERIOD
1961

| DATE
LST | WET BULB
TEMPERATURE | STANDARD
DEVIATION | TOTAL
COUNT | MEAN NUMBER OF
LST 32 - 54 | MEAN NUMBER OF
LST 54 - 72 |
|-------------|-------------------------|-----------------------|----------------|-------------------------------|-------------------------------|
| 06-07 | 81.0 | 15.533 | 10955 | 1507 | 5015 |
| 08-08 | 80.0 | 15.726 | 10958 | 1712 | 5728 |
| 10-09 | 80.1 | 15.549 | 10957 | 1544 | 5011 |
| 10-11 | 80.2 | 15.456 | 10957 | 1233 | 4502 |
| 12-14 | 80.0 | 15.639 | 10958 | 1002 | 7175 |
| 15-17 | 80.2 | 15.335 | 10957 | 746 | 7208 |
| 17-20 | 80.0 | 15.575 | 10956 | 1015 | 4507 |
| 21-23 | 80.2 | 15.521 | 10956 | 1095 | 4506 |
| TOTAL | 80.1 | 15.537 | 7481 | 1002 | 4507 |

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

1. TINSN AFB OK
2. F-5

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: ALL

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | TOTAL HOURS |
|----------------------------------------------|-------------|
| LS 32 SF 50 55 67 65 73 65 80 | |
| 1507 5015 2382 217 0 | 10956 |
| 1712 5728 2066 123 0 | 10956 |
| 1744 5810 2317 314 0 | 10957 |
| 1233 5533 3355 1521 4 | 10957 |
| 452 7179 3734 2153 49 | 10955 |
| 746 7299 3732 2114 55 | 10957 |
| 1013 6027 3284 1441 12 | 10955 |
| 1295 5294 2310 540 2 | 10954 |
| 15233 51505 23347 3622 129 | 7651 |

OPERATING LOCATION: WAF
 WASHBURN, ARIZONA

OTW POINT TEMPERATURE SUMMARY
 FOR MONTHLY PERIODS

STATION NUMBER: 72045

STATION NAME: WINKLE ARIZONA
 LOT TO UTC: + 6

2-1-11
 MONTH:

| DATE
EST | WIND
SPEED | STANDARD
DEVIATION | TOTAL
TIME | MEAN TEMPERATURE
OF THE
DAY | MEAN
WIND
SPEED |
|---------------|---------------|-----------------------|---------------|-----------------------------------|-----------------------|
| 00-01 | 23.9 | 11.915 | 939 | 5.5 | 111 |
| 03-05 | 23.4 | 11.324 | 929 | 5.6 | 106 |
| 06-08 | 23.9 | 11.522 | 930 | 5.4 | 104 |
| 09-11 | 26. | 11.764 | 930 | 5.3 | 112 |
| 12-14 | 26.7 | 11.664 | 930 | 5.1 | 105 |
| 15-17 | 26.3 | 11.71 | 930 | 5.0 | 104 |
| 18-20 | 24.7 | 11.255 | 930 | 5.0 | 100 |
| 21-23 | 24.1 | 11.213 | 930 | 5.71 | 115 |
| ALL
MONTHS | 24.4 | 11.714 | 7430 | 46.4 | 107 |

0.2501

| | | | | | |
|---------------|------|--------|------|-------|------|
| 00-02 | 27.9 | 13.135 | 939 | 6.5 | 221 |
| 03-05 | 27.1 | 13.170 | 940 | 6.4 | 207 |
| 06-08 | 26.8 | 13.009 | 940 | 6.1 | 194 |
| 09-11 | 29.5 | 13.234 | 940 | 6.5 | 237 |
| 12-14 | 29.3 | 12.260 | 940 | 6.1 | 203 |
| 15-17 | 29.7 | 12.210 | 940 | 6.7 | 205 |
| 18-20 | 29.9 | 12.919 | 945 | 6.2 | 247 |
| 21-23 | 26.4 | 12.370 | 945 | 6.5 | 223 |
| ALL
MONTHS | 27.4 | 13.092 | 6746 | 31.01 | 1944 |

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

NO. 453 BK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JAN

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 27 54 37 LE 55 56 55 HOURS

| | | | | |
|-----|-----|-----|---|-----|
| 515 | 111 | 930 | 0 | 930 |
| 508 | 105 | 920 | 0 | 929 |
| 514 | 93 | 930 | 0 | 930 |
| 535 | 112 | 929 | 0 | 930 |
| 501 | 145 | 929 | 0 | 930 |
| 510 | 145 | 925 | 0 | 930 |
| 500 | 133 | 930 | 0 | 930 |
| 571 | 115 | 930 | 0 | 930 |

4494 960 7435 0 7439

MONTH: FEB

| | | | | |
|-----|-----|-----|---|-----|
| 416 | 221 | 831 | 0 | 849 |
| 424 | 202 | 831 | 0 | 849 |
| 431 | 184 | 834 | 0 | 849 |
| 375 | 230 | 832 | 0 | 849 |
| 351 | 263 | 829 | 0 | 849 |
| 347 | 255 | 831 | 0 | 849 |
| 352 | 247 | 831 | 0 | 849 |
| 305 | 223 | 830 | 0 | 849 |

3101 1244 5649 0 5785

OPERATING LOCATION "A"
USAFSSAC, ASHBVILLE, NC

DEW POINT TEMPERATURE SUMMARY
EACH HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH: 4

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF
LST 27 SE 37 |
|--------------|------|-----------------------|--------------|--------------------------------|
| 00-02 | 36.2 | 11.412 | 930 | 216 435 |
| 03-05 | 35.2 | 11.522 | 930 | 242 400 |
| 06-08 | 34.7 | 11.577 | 930 | 251 384 |
| 09-11 | 35.7 | 11.710 | 930 | 190 417 |
| 12-14 | 37.1 | 11.394 | 930 | 175 414 |
| 15-17 | 37.1 | 11.752 | 930 | 155 407 |
| 18-20 | 35.5 | 11.523 | 930 | 147 423 |
| 21-23 | 35.1 | 11.240 | 930 | 136 441 |
| ALL
HOURS | 36.3 | 11.544 | 7440 | 1549 3915 |

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF
LST 27 SE 37 |
|--------------|------|-----------------------|--------------|--------------------------------|
| 00-02 | 43.3 | 11.070 | 900 | 50 529 |
| 03-05 | 43.0 | 11.137 | 900 | 54 514 |
| 06-08 | 43.6 | 11.427 | 900 | 54 515 |
| 09-11 | 45.2 | 11.419 | 900 | 50 557 |
| 12-14 | 45.3 | 11.747 | 900 | 52 536 |
| 15-17 | 44.6 | 11.907 | 900 | 55 513 |
| 18-20 | 44.0 | 11.393 | 900 | 55 554 |
| 21-23 | 44.2 | 11.217 | 900 | 51 554 |
| ALL
HOURS | 44.1 | 11.503 | 7194 | 503 5172 |

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

TINKER AFB OK
MO

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAR

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|--|-------|
| LE 27 | GE 37 | LE 55 | GE 65 | | HOURS |
| 216 | 405 | 872 | 1 | | 930 |
| 242 | 400 | 875 | 0 | | 930 |
| 250 | 364 | 881 | 0 | | 930 |
| 190 | 457 | 864 | 3 | | 930 |
| 176 | 433 | 883 | 6 | | 930 |
| 165 | 457 | 879 | 6 | | 930 |
| 167 | 429 | 890 | 4 | | 930 |
| 190 | 440 | 887 | 4 | | 930 |
| 1649 | 3455 | 7001 | 24 | | 7440 |

MONTH: APR

| | | | | | |
|-----|------|------|-----|--|------|
| 60 | 629 | 759 | 9 | | 899 |
| 64 | 604 | 754 | 6 | | 899 |
| 64 | 619 | 739 | 12 | | 899 |
| 65 | 667 | 631 | 32 | | 899 |
| 62 | 636 | 700 | 34 | | 899 |
| 66 | 663 | 713 | 37 | | 899 |
| 66 | 654 | 737 | 18 | | 899 |
| 61 | 654 | 726 | 15 | | 899 |
| 503 | 5172 | 5810 | 170 | | 7198 |

OPERATING LOCATION: "A"
USAFPTAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: MAY

| | | | | | | |
|--------------|-------|-----------|-------|-------------------------|-------|-------|
| HOURS | MEAN | STANDARD | TOTAL | MEAN NUMBER OF HOURS AT | | |
| LST | | DEVIATION | OBS | LE 27 | GE 37 | LE 47 |
| 00-02 | 54.7 | 7.753 | 930 | 0 | 915 | 40 |
| 03-05 | 54.1 | 7.862 | 930 | 0 | 909 | 40 |
| 06-08 | 54.8 | 7.920 | 930 | 0 | 910 | 40 |
| 09-11 | 55.2 | 8.171 | 930 | 0 | 900 | 40 |
| 12-14 | 55.7 | 8.450 | 930 | 0 | 917 | 40 |
| 15-17 | 55.3 | 8.650 | 929 | 0 | 911 | 40 |
| 18-20 | 55.9 | 8.520 | 930 | 0 | 917 | 40 |
| 21-23 | 55.5 | 7.850 | 930 | 0 | 922 | 40 |
| ALL
HOURS | 55.5 | 8.216 | 7439 | 0 | 7310 | 30 |
| | | | | | | |

UNIT: J

| | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|
| 00-02 | 63.0 | 5.922 | 900 | 0 | 800 | 1 |
| 03-05 | 62.4 | 5.828 | 899 | 0 | 899 | 1 |
| 06-08 | 63.4 | 5.749 | 900 | 0 | 800 | |
| 09-11 | 65.3 | 6.070 | 900 | 0 | 800 | |
| 12-14 | 65.3 | 6.446 | 898 | 0 | 873 | |
| 15-17 | 65.4 | 6.338 | 900 | 0 | 900 | |
| 18-20 | 64.7 | 5.126 | 900 | 0 | 900 | |
| 21-23 | 64.1 | 5.799 | 900 | 0 | 900 | |
| ALL
HOURS | 64.3 | 5.186 | 7197 | 0 | 7197 | |
| | | | | | | |

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

TINNOR AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|--|-------|
| LE 27 | GE 37 | LE 55 | GE 55 | | HOURS |
| 0 | 915 | 445 | 95 | | 930 |
| 0 | 909 | 489 | 72 | | 930 |
| 0 | 910 | 445 | 98 | | 930 |
| 0 | 909 | 400 | 133 | | 930 |
| 0 | 917 | 391 | 174 | | 930 |
| 0 | 911 | 397 | 181 | | 929 |
| 0 | 917 | 412 | 159 | | 930 |
| 0 | 922 | 414 | 126 | | 930 |
| 0 | 7310 | 3394 | 1028 | | 7439 |

MONTH: JUN

| | | | | | |
|---|------|-----|------|--|------|
| 0 | 900 | 111 | 430 | | 898 |
| 0 | 899 | 120 | 333 | | 898 |
| 0 | 900 | 99 | 445 | | 898 |
| 0 | 900 | 77 | 595 | | 898 |
| 0 | 893 | 73 | 613 | | 893 |
| 0 | 900 | 85 | 538 | | 898 |
| 0 | 900 | 87 | 556 | | 898 |
| 0 | 900 | 94 | 494 | | 898 |
| 0 | 7197 | 751 | 4109 | | 7197 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH:

| | | | | | |
|-------|-------|-----------|-------|----------------------|-------|
| HOURS | MEAN | STANDARD | TOTAL | MEAN NUMBER OF HOURS | |
| LST | | DEVIATION | OBS | LE 27 GE 37 | C |
| 00-02 | 54.5 | 4.745 | 930 | 0 | 930 |
| 03-05 | 54.5 | 4.850 | 930 | 0 | 930 |
| 06-08 | 55.2 | 4.703 | 930 | 0 | 930 |
| 09-11 | 55.2 | 4.157 | 930 | 0 | 930 |
| 12-14 | 55.0 | 4.725 | 930 | 0 | 930 |
| 15-17 | 55.5 | 4.950 | 930 | 0 | 930 |
| 18-20 | 55.5 | 4.753 | 930 | 0 | 930 |
| 21-23 | 55.1 | 4.724 | 930 | 0 | 930 |
| ALL | | | | | |
| HOURS | 55.0 | 4.544 | 7440 | 0 | 7440 |
| | | | | | |

MONTH:

| | | | | | |
|-------|-------|-------|-------|-------|-------|
| 00-02 | 54.1 | 5.049 | 930 | 0 | 930 |
| 03-05 | 53.9 | 4.914 | 930 | 0 | 930 |
| 06-08 | 54.7 | 4.959 | 928 | 0 | 928 |
| 09-11 | 55.4 | 4.835 | 929 | 0 | 929 |
| 12-14 | 55.2 | 5.332 | 930 | 0 | 930 |
| 15-17 | 55.3 | 5.451 | 930 | 0 | 930 |
| 18-20 | 54.9 | 5.292 | 930 | 0 | 930 |
| 21-23 | 54.5 | 4.962 | 930 | 0 | 930 |
| ALL | | | | | |
| HOURS | 55.0 | 5.196 | 7437 | 0 | 7437 |
| | | | | | |

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

INNER AFS OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: JUL

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|--|-------|
| LE 27 | GE 37 | LE 55 | GE 65 | | HOURS |
| 0 | 930 | 61 | 518 | | 930 |
| 0 | 930 | 57 | 477 | | 930 |
| 0 | 930 | 36 | 570 | | 930 |
| 0 | 930 | 13 | 697 | | 930 |
| 0 | 930 | 27 | 657 | | 930 |
| 0 | 930 | 39 | 610 | | 930 |
| 0 | 930 | 38 | 599 | | 930 |
| 0 | 930 | 47 | 567 | | 930 |
| 0 | 7440 | 318 | 4635 | | 7440 |

MONTH: AUG

| | | | | | |
|---|------|-----|------|--|------|
| 0 | 930 | 66 | 489 | | 930 |
| 0 | 930 | 65 | 492 | | 930 |
| 0 | 929 | 50 | 552 | | 930 |
| 0 | 929 | 35 | 661 | | 930 |
| 0 | 930 | 41 | 644 | | 930 |
| 0 | 930 | 61 | 573 | | 930 |
| 0 | 930 | 53 | 566 | | 930 |
| 0 | 930 | 55 | 542 | | 930 |
| 0 | 7437 | 427 | 4519 | | 7437 |

OPERATING LOCATION "A"
USAFETAG, ASH-VILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: 5

| | | | | | |
|-------|-------|-----------|-------|----------------------|-------|
| HOURS | MEAN | STANDARD | TOTAL | MEAN NUMBER OF HOURS | |
| LST | | DEVIATION | OBS | LE 27 62 37 | LE |
| 00-02 | 53.0 | 3.652 | 900 | 0 | 385 |
| 03-05 | 57.7 | 3.873 | 900 | 0 | 385 |
| 06-08 | 59.1 | 3.800 | 900 | 1 | 376 |
| 09-11 | 59.0 | 3.374 | 900 | 0 | 378 |
| 12-14 | 59.7 | 3.570 | 900 | 4 | 370 |
| 15-17 | 59.0 | 3.515 | 900 | 3 | 360 |
| 18-20 | 58.6 | 3.933 | 900 | 1 | 342 |
| 21-23 | 59.2 | 3.348 | 900 | 0 | 346 |
| ALL | | | | | |
| HOURS | 58.7 | 3.103 | 7200 | 9 | 7050 |

| | | | | | |
|-------|------|--------|------|-----|-----------|
| | | | | | PERIOD OF |
| 00-02 | 47.7 | 11.176 | 930 | 30 | 751 |
| 03-05 | 48.0 | 11.045 | 930 | 41 | 737 |
| 06-08 | 47.7 | 10.945 | 930 | 28 | 744 |
| 09-11 | 49.3 | 10.968 | 930 | 23 | 734 |
| 12-14 | 49.0 | 11.500 | 930 | 21 | 757 |
| 15-17 | 48.8 | 11.742 | 930 | 31 | 748 |
| 18-20 | 48.5 | 11.295 | 929 | 23 | 752 |
| 21-23 | 48.2 | 11.075 | 930 | 25 | 772 |
| ALL | | | | | |
| HOURS | 48.3 | 11.264 | 7439 | 218 | 6971 |

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

INNER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP

MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F TOTAL
LE 27 GE 37 LE 55 GE 55 HOURS

| | | | | |
|---|------|------|------|------|
| 0 | 886 | 304 | 257 | 900 |
| 0 | 886 | 327 | 251 | 900 |
| 1 | 875 | 306 | 257 | 900 |
| 0 | 885 | 247 | 343 | 900 |
| 4 | 380 | 251 | 319 | 900 |
| 3 | 880 | 261 | 252 | 900 |
| 1 | 942 | 273 | 273 | 900 |
| 0 | 886 | 292 | 264 | 900 |
| 9 | 7057 | 2266 | 2246 | 7200 |

MONTH: OCT

| | | | | |
|-----|------|------|-----|------|
| 30 | 751 | 674 | 50 | 930 |
| 31 | 737 | 697 | 42 | 930 |
| 25 | 746 | 691 | 41 | 930 |
| 23 | 739 | 612 | 67 | 930 |
| 23 | 767 | 588 | 63 | 930 |
| 31 | 748 | 609 | 65 | 930 |
| 23 | 762 | 627 | 50 | 930 |
| 25 | 772 | 648 | 51 | 930 |
| 218 | 6071 | 5145 | 429 | 7439 |

OPERATING LOCATION: WAM
USAFETAC, ASBURYVILLE, MO

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723840

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTHS:

| HOURS
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF HOURS
LG 27 65 37 | |
|--------------|------|-----------------------|--------------|-------------------------------------|------|
| 00-02 | 37.3 | 11.860 | 900 | 142 | 415 |
| 03-05 | 37.0 | 12.037 | 900 | 205 | 404 |
| 06-08 | 36.7 | 12.157 | 900 | 211 | 415 |
| 09-11 | 36.5 | 11.903 | 900 | 144 | 475 |
| 12-14 | 36.5 | 12.102 | 900 | 153 | 471 |
| 15-17 | 37.7 | 11.925 | 900 | 175 | 450 |
| 18-20 | 37.4 | 11.897 | 900 | 175 | 443 |
| 21-23 | 37.1 | 11.971 | 900 | 170 | 415 |
| ALL
HOURS | 37.1 | 11.941 | 7105 | 1455 | 3495 |

| | | | | | |
|--------------|------|--------|------|------|------|
| 00-02 | 27.3 | 12.551 | 930 | 400 | 100 |
| 03-05 | 27.7 | 12.914 | 929 | 442 | 101 |
| 06-08 | 27.3 | 13.025 | 930 | 455 | 113 |
| 09-11 | 29.3 | 13.169 | 929 | 379 | 241 |
| 12-14 | 30.1 | 12.857 | 930 | 345 | 274 |
| 15-17 | 29.9 | 12.657 | 930 | 354 | 265 |
| 18-20 | 29.3 | 12.136 | 930 | 354 | 224 |
| 21-23 | 28.1 | 12.200 | 930 | 300 | 192 |
| ALL
HOURS | 28.9 | 12.760 | 7438 | 3145 | 1770 |

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

LINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|-------|
| LE 27 | GE 37 | LE 55 | GE 55 | HOURS |
| 152 | 415 | 811 | 11 | 900 |
| 205 | 404 | 821 | 12 | 900 |
| 211 | 405 | 819 | 16 | 900 |
| 144 | 476 | 807 | 23 | 900 |
| 153 | 481 | 801 | 16 | 899 |
| 125 | 450 | 824 | 5 | 899 |
| 175 | 443 | 827 | 4 | 900 |
| 110 | 415 | 821 | 8 | 900 |
| 1455 | 3495 | 6531 | 98 | 7198 |

MONTH: DEC

| | | | | |
|------|------|------|---|------|
| 409 | 193 | 902 | 0 | 930 |
| 442 | 191 | 902 | 0 | 930 |
| 455 | 183 | 906 | 0 | 930 |
| 379 | 241 | 904 | 3 | 930 |
| 345 | 276 | 897 | 2 | 930 |
| 354 | 265 | 897 | 0 | 930 |
| 364 | 224 | 904 | 0 | 930 |
| 330 | 192 | 901 | 0 | 930 |
| 3144 | 1770 | 7213 | 5 | 7438 |

OPERATING LOCATION: WAM
JOAFFTAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723542

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH

| 40005
LST | MEAN | STANDARD
DEVIATION | TOTAL
OBS | MEAN NUMBER OF
LE 27 SE 37 | |
|--------------|------|-----------------------|--------------|-------------------------------|------|
| 00-02 | 46.6 | 17.832 | 10953 | 1553 | 7232 |
| 03-05 | 46.5 | 17.866 | 10955 | 2096 | 7232 |
| 06-08 | 46.3 | 17.113 | 10957 | 2762 | 7155 |
| 09-11 | 47.2 | 17.113 | 10957 | 1711 | 7532 |
| 12-14 | 47.2 | 17.331 | 10956 | 1532 | 7555 |
| 15-17 | 47.1 | 17.757 | 10957 | 1713 | 7534 |
| 18-20 | 46.7 | 17.733 | 10953 | 1743 | 7511 |
| 21-23 | 46.3 | 17.541 | 10954 | 1513 | 7311 |
| ALL
OBS | 46.7 | 17.113 | 10951 | 1413 | 7521 |

WIND POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 70 - FEB 89
MONTH: ALL

| MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL |
|----------------------------------------------|-------|-------|-------|-------|
| LE 27 | GE 37 | LE 55 | GE 65 | HOURS |
| 1383 | 7292 | 6757 | 1860 | 10958 |
| 2006 | 7202 | 6367 | 1740 | 10955 |
| 2662 | 7156 | 5735 | 1941 | 10957 |
| 1711 | 7532 | 5402 | 2557 | 10957 |
| 1632 | 7556 | 5325 | 2532 | 10955 |
| 1713 | 7534 | 5523 | 2350 | 10957 |
| 1743 | 7481 | 5515 | 2229 | 10955 |
| 1813 | 7374 | 5845 | 2074 | 10956 |
| 14663 | 83221 | 52940 | 17323 | 37651 |

OPERATING LOCATION: WAFB
JASPER, ALA. WILCOX

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HIGHLY TO LOW VARIATIONS

STATION NAME: JASPER, ALA.

STATION NAME: JASPER, ALA.
LST TO HTO: + 5

STATION NAME: JASPER, ALA.
LST TO HTO: + 5

| STATION | 100% | 90% | 80% | 70% | 60% | 50% | 40% | 30% | 20% | 10% |
|---------|-------|-------|------|------|------|------|------|------|------|------|
| 01-02 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 03-04 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 05-06 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 07-08 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 09-10 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 11-12 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 13-14 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 15-16 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 17-18 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 19-20 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 21-22 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| ALL | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |

| STATION | 100% | 90% | 80% | 70% | 60% | 50% | 40% | 30% | 20% | 10% |
|---------|-------|-------|------|------|------|------|------|------|------|------|
| 01-02 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 03-04 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 05-06 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 07-08 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 09-10 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 11-12 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 13-14 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 15-16 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 17-18 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 19-20 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| 21-22 | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |
| ALL | 100.0 | 100.0 | 99.8 | 99.2 | 98.5 | 97.7 | 96.7 | 95.7 | 94.7 | 93.7 |

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
DATE: 1-6

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JAN

| | | | | | | | |
|--------------------------------------------|------|------|------|------|-----|------|-----------|
| RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | |
| 40% | 50% | 60% | 70% | 80% | 90% | MEAN | TOTAL OBS |
| | | | | | | | |
| 5.2 | 31.8 | 52.7 | 41.3 | 18.7 | 3.2 | 64.5 | 930 |
| 6.2 | 35.0 | 54.3 | 45.8 | 23.7 | 5.3 | 67.0 | 929 |
| 7.2 | 47.5 | 73.5 | 61.3 | 27.2 | 6.5 | 68.5 | 930 |
| 8.2 | 75.2 | 85.9 | 84.0 | 12.4 | 5.7 | 62.3 | 930 |
| 9.2 | 49.1 | 31.5 | 20.2 | 9.6 | 2.0 | 51.3 | 930 |
| 10.2 | 41.7 | 27.2 | 15.9 | 7.3 | 1.3 | 47.9 | 930 |
| 11.2 | 55.1 | 39.7 | 24.3 | 10.3 | 2.3 | 55.4 | 930 |
| 12.2 | 74.2 | 52.3 | 32.3 | 14.5 | 2.7 | 60.9 | 930 |
| 13.2 | 59.4 | 31.5 | 31.4 | 16.3 | 5.7 | 60.9 | 7437 |
| | | | | | | | |

MONTH: FEB

| | | | | | | | |
|-------|------|------|------|------|-----|------|------|
| 4.2 | 34.1 | 54.4 | 42.5 | 22.6 | 5.3 | 55.2 | 849 |
| 5.2 | 39.0 | 59.1 | 47.7 | 23.2 | 5.5 | 58.0 | 849 |
| 6.2 | 91.3 | 72.2 | 49.0 | 24.5 | 6.7 | 63.9 | 849 |
| 7.2 | 73.5 | 55.7 | 37.5 | 21.5 | 5.2 | 62.6 | 849 |
| 8.2 | 53.5 | 33.4 | 24.0 | 13.4 | 3.2 | 53.9 | 849 |
| 9.2 | 47.3 | 33.2 | 20.5 | 9.9 | 2.4 | 50.7 | 849 |
| 10.2 | 60.5 | 42.3 | 25.4 | 13.7 | 3.1 | 55.5 | 846 |
| 11.2 | 74.5 | 55.9 | 34.0 | 17.7 | 3.8 | 62.3 | 846 |
| 12.2 | 71.9 | 53.9 | 35.1 | 15.3 | 4.7 | 62.3 | 5785 |

OPERATIVE LOCATION NAME
USAFETAC, ASHVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 735642

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: MAR

| | | | | | | | | | |
|--------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | |
| LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| | | | | | | | | | |
| 00-02 | 100.0 | 100.0 | 100.0 | 94.6 | 83.2 | 61.7 | 40.2 | 22.4 | 4.1 |
| 03-05 | 100.0 | 100.0 | 100.0 | 98.1 | 88.9 | 69.6 | 46.6 | 27.2 | 6.1 |
| 06-08 | 100.0 | 100.0 | 95.9 | 81.6 | 70.2 | 51.5 | 33.4 | 23.7 | 7.1 |
| 09-11 | 100.0 | 99.7 | 97.1 | 84.8 | 67.3 | 47.9 | 32.3 | 17.3 | 4.1 |
| 12-14 | 100.0 | 97.4 | 84.4 | 64.2 | 48.4 | 31.7 | 18.6 | 11.6 | 4.1 |
| 15-17 | 100.0 | 96.9 | 77.7 | 60.3 | 39.6 | 26.2 | 16.2 | 9.6 | 1.1 |
| 18-20 | 100.0 | 96.9 | 83.8 | 71.8 | 60.6 | 39.4 | 21.2 | 11.9 | 3.1 |
| 21-23 | 100.0 | 95.1 | 89.2 | 80.9 | 70.9 | 50.7 | 31.2 | 16.3 | 2.1 |
| ALL | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| HOURLY | 100.0 | 94.1 | 85.3 | 72.1 | 57.0 | 40.1 | 32.2 | 18.2 | 4.1 |
| | | | | | | | | | |

.....

| | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 00-02 | 100.0 | 100.0 | 98.9 | 95.2 | 81.2 | 60.4 | 38.2 | 24.1 | 7.1 |
| 03-05 | 100.0 | 99.9 | 99.9 | 97.7 | 83.7 | 69.1 | 47.1 | 27.1 | 6.3 |
| 06-08 | 100.0 | 100.0 | 99.8 | 97.3 | 85.6 | 73.2 | 60.1 | 22.2 | 11.6 |
| 09-11 | 100.0 | 99.7 | 95.1 | 82.1 | 61.6 | 42.8 | 29.3 | 16.3 | 4.1 |
| 12-14 | 100.0 | 97.7 | 84.2 | 60.7 | 42.7 | 27.6 | 14.7 | 7.7 | 1.3 |
| 15-17 | 100.0 | 95.9 | 75.1 | 63.3 | 37.2 | 23.9 | 12.7 | 7.1 | 2.1 |
| 18-20 | 100.0 | 99.8 | 88.9 | 67.3 | 47.2 | 33.0 | 19.4 | 10.2 | 2.6 |
| 21-23 | 100.0 | 99.7 | 97.4 | 87.6 | 69.9 | 48.1 | 31.7 | 18.2 | 4.1 |
| ALL | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| HOURLY | 100.0 | 94.9 | 82.2 | 60.2 | 44.4 | 29.2 | 30.6 | 17.2 | 5.4 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
 FROM HOURLY OBSERVATIONS

STATION: AFB OK PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: MAR

| | | | | | | |
|--------------------------------------------|------|------|------|-----|------|-----------|
| RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | |
| 30% | 50% | 70% | 90% | 95% | MEAN | TOTAL OBS |
| 13.2 | 51.7 | 40.2 | 22.4 | 4.0 | 65.2 | 930 |
| 48.8 | 69.5 | 46.5 | 27.2 | 6.8 | 63.2 | 930 |
| 10.2 | 71.5 | 50.4 | 29.7 | 7.0 | 62.2 | 930 |
| 47.0 | 48.9 | 32.3 | 18.3 | 4.5 | 59.7 | 930 |
| 45.1 | 31.7 | 15.9 | 11.0 | 2.4 | 50.1 | 930 |
| 30.5 | 25.2 | 16.2 | 7.5 | 1.2 | 46.9 | 930 |
| 50.6 | 36.4 | 21.2 | 11.5 | 3.3 | 52.5 | 930 |
| 71.9 | 40.7 | 31.3 | 15.3 | 5.1 | 60.2 | 930 |
| 57.0 | 60.1 | 32.2 | 18.2 | 4.1 | 50.2 | 7440 |
| | | | | | | |

MONTH: APR

| | | | | | | |
|------|------|------|------|------|------|------|
| 41.2 | 50.4 | 34.5 | 24.0 | 6.7 | 64.9 | 900 |
| 49.7 | 69.5 | 41.1 | 29.1 | 9.4 | 62.7 | 900 |
| 55.5 | 70.2 | 50.1 | 30.2 | 10.4 | 59.0 | 900 |
| 51.6 | 42.5 | 29.3 | 14.3 | 4.5 | 57.4 | 900 |
| 42.7 | 27.6 | 14.7 | 7.8 | 2.3 | 44.2 | 890 |
| 37.2 | 23.0 | 12.7 | 7.1 | 2.1 | 45.3 | 900 |
| 47.2 | 33.0 | 19.4 | 10.2 | 2.5 | 51.0 | 900 |
| 49.9 | 41.1 | 31.7 | 18.2 | 4.5 | 60.1 | 900 |
| 54.5 | 45.2 | 30.6 | 17.9 | 5.4 | 50.1 | 7100 |

OPERATING LOCATION "A"
HSAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD OF
MONTH: MAY

| | | | | | | | | | |
|-------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | |
| LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| 00-02 | 100.0 | 100.0 | 99.9 | 99.4 | 95.6 | 84.3 | 62.0 | 31.9 | 12.6 |
| 03-05 | 100.0 | 100.0 | 99.9 | 99.7 | 98.0 | 90.4 | 73.3 | 44.1 | 17.5 |
| 06-08 | 100.0 | 100.0 | 100.0 | 99.1 | 96.1 | 88.5 | 70.2 | 37.7 | 14.4 |
| 09-11 | 100.0 | 100.0 | 98.6 | 83.8 | 79.2 | 67.8 | 35.6 | 15.2 | 4.7 |
| 12-14 | 100.0 | 99.9 | 95.8 | 81.6 | 60.1 | 39.8 | 18.5 | 4.3 | 2.4 |
| 15-17 | 100.0 | 98.7 | 93.6 | 76.7 | 54.8 | 33.0 | 15.5 | 6.7 | 2.3 |
| 18-20 | 100.0 | 98.6 | 97.3 | 86.3 | 70.5 | 49.4 | 23.6 | 11.0 | 3.2 |
| 21-23 | 100.0 | 100.0 | 99.7 | 97.4 | 89.4 | 71.5 | 46.3 | 22.3 | 6.2 |
| ALL | | | | | | | | | |
| 0000 | 100.0 | 99.8 | 98.1 | 82.2 | 60.5 | 64.4 | 43.9 | 22.5 | 7.0 |

MONTH: JUN

| | | | | | | | | | |
|-------|-------|-------|-------|-------|------|------|------|------|------|
| 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 89.3 | 67.3 | 34.2 | 12.1 |
| 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 94.7 | 76.3 | 47.1 | 18.9 |
| 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 92.1 | 70.4 | 37.2 | 14.9 |
| 09-11 | 100.0 | 100.0 | 100.0 | 97.2 | 86.1 | 64.0 | 30.0 | 13.6 | 2.6 |
| 12-14 | 100.0 | 100.0 | 99.1 | 91.6 | 63.5 | 36.7 | 14.3 | 4.1 | 2.0 |
| 15-17 | 100.0 | 100.0 | 99.1 | 83.2 | 61.4 | 29.0 | 13.1 | 4.2 | 2.0 |
| 18-20 | 100.0 | 100.0 | 100.0 | 96.4 | 79.9 | 61.9 | 25.7 | 8.6 | 2.3 |
| 21-23 | 100.0 | 100.0 | 100.0 | 99.9 | 97.1 | 80.2 | 61.4 | 23.4 | 6.1 |
| ALL | | | | | | | | | |
| 0000 | 100.0 | 100.0 | 99.3 | 96.7 | 86.3 | 67.1 | 43.9 | 20.9 | 7.4 |

RELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

TINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: MAY

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

| 50% | 60% | 70% | 80% | 90% | MEAN | TOTAL OBS |
|------|------|------|------|------|------|-----------|
| 95.6 | 84.3 | 62.0 | 31.9 | 12.6 | 73.3 | 930 |
| 98.0 | 90.4 | 73.3 | 44.1 | 17.5 | 76.6 | 930 |
| 96.1 | 88.5 | 70.2 | 39.7 | 14.4 | 75.1 | 930 |
| 79.2 | 57.4 | 35.6 | 15.2 | 4.7 | 53.0 | 930 |
| 60.1 | 39.8 | 18.5 | 8.3 | 2.4 | 55.2 | 930 |
| 54.6 | 33.0 | 15.5 | 6.7 | 2.3 | 52.7 | 929 |
| 70.5 | 49.4 | 23.6 | 11.9 | 3.2 | 59.2 | 930 |
| 69.4 | 71.6 | 46.3 | 22.3 | 6.2 | 58.0 | 930 |
| 80.5 | 64.4 | 43.9 | 22.5 | 3.0 | 58.0 | 7439 |

MONTH: JUN

| | | | | | | |
|------|------|------|------|------|------|------|
| 98.4 | 39.3 | 67.3 | 34.2 | 12.1 | 74.3 | 900 |
| 99.4 | 94.7 | 75.3 | 47.1 | 16.9 | 78.0 | 899 |
| 97.4 | 92.1 | 70.4 | 38.2 | 14.9 | 76.0 | 900 |
| 86.1 | 64.0 | 30.0 | 10.6 | 2.6 | 63.6 | 900 |
| 63.6 | 36.7 | 14.5 | 4.1 | 2.0 | 56.1 | 898 |
| 61.4 | 23.0 | 13.1 | 4.2 | 2.0 | 54.3 | 900 |
| 79.9 | 51.9 | 25.7 | 8.6 | 2.3 | 61.1 | 900 |
| 87.1 | 80.2 | 51.4 | 20.4 | 6.1 | 70.3 | 900 |
| 66.3 | 67.1 | 43.9 | 20.9 | 7.4 | 70.3 | 7197 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD:
MONTH: J

| | | | | | | | | | |
|--------------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | |
| LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| 00-02 | 100.0 | 100.0 | 100.0 | 93.3 | 90.1 | 72.9 | 42.4 | 11.5 | 2.3 |
| 03-05 | 100.0 | 100.0 | 100.0 | 99.9 | 96.0 | 83.4 | 59.6 | 22.9 | 4.3 |
| 06-08 | 100.0 | 100.0 | 100.0 | 99.2 | 94.5 | 80.4 | 62.7 | 13.9 | 4.3 |
| 09-11 | 100.0 | 100.0 | 98.6 | 90.0 | 67.5 | 38.1 | 14.0 | 2.0 | .7 |
| 12-14 | 100.0 | 98.6 | 92.4 | 69.6 | 40.6 | 17.3 | 5.2 | 1.0 | .1 |
| 15-17 | 100.0 | 98.7 | 87.0 | 61.7 | 34.3 | 12.7 | 4.0 | .9 | .1 |
| 18-20 | 100.0 | 99.7 | 95.5 | 80.5 | 54.0 | 25.9 | 7.6 | 1.6 | .1 |
| 21-23 | 100.0 | 100.0 | 99.6 | 94.3 | 80.1 | 54.8 | 22.2 | 6.7 | 1.1 |
| ALL
HOURS | 100.0 | 99.7 | 96.6 | 85.7 | 69.7 | 48.2 | 24.0 | .2 | 1.7 |
| | | | | | | | | | |

MONTH:

| | | | | | | | | | |
|--------------|-------|-------|-------|------|------|------|------|------|-----|
| 00-02 | 100.0 | 100.0 | 99.7 | 90.7 | 92.9 | 72.9 | 35.1 | 10.6 | 1.7 |
| 03-05 | 100.0 | 100.0 | 100.0 | 99.3 | 95.7 | 85.4 | 65.0 | 11.1 | 1.6 |
| 06-08 | 100.0 | 100.0 | 100.0 | 99.6 | 97.3 | 87.1 | 64.8 | 20.2 | 2.0 |
| 09-11 | 100.0 | 100.0 | 95.7 | 83.4 | 74.0 | 51.1 | 18.6 | 3.1 | .6 |
| 12-14 | 100.0 | 99.6 | 94.0 | 72.2 | 35.2 | 11.0 | 5.4 | 1.7 | |
| 15-17 | 100.0 | 99.4 | 90.3 | 62.6 | 27.6 | 10.6 | 5.5 | .9 | |
| 18-20 | 100.0 | 99.9 | 97.5 | 80.8 | 52.5 | 23.3 | 9.1 | 1.9 | |
| 21-23 | 100.0 | 100.0 | 99.9 | 95.6 | 82.2 | 49.7 | 18.6 | 6.6 | .7 |
| ALL
HOURS | 100.0 | 99.9 | 97.5 | 87.9 | 69.9 | 47.3 | 24.8 | 7.8 | .6 |

.....
 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
 FROM HOURLY OBSERVATIONS

NAME: TINKER AFB OK
 AFO: + 6

PERIOD OF RECORD: MAR 79 - FEB 80
 MONTH: JUL

|
RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | |
|-----------------------------------------------------|------|------|------|------|-----|------|-----------|
| 40% | 50% | 60% | 70% | 80% | 90% | MEAN | TOTAL OBS |
| 93.3 | 90.1 | 72.9 | 42.4 | 11.5 | 2.3 | 65.4 | 930 |
| 97.7 | 96.0 | 83.4 | 59.6 | 22.9 | 4.3 | 71.3 | 930 |
| 99.2 | 94.5 | 80.4 | 62.7 | 19.7 | 4.5 | 69.9 | 930 |
| 99.0 | 67.5 | 38.1 | 14.0 | 2.0 | .5 | 55.9 | 930 |
| 97.5 | 40.6 | 17.3 | 5.2 | 1.0 | .2 | 47.3 | 930 |
| 91.7 | 34.3 | 12.7 | 4.0 | .8 | .1 | 44.5 | 930 |
| 88.5 | 54.0 | 25.0 | 7.3 | 1.6 | .2 | 51.0 | 930 |
| 94.3 | 80.1 | 54.8 | 22.2 | 4.7 | 1.1 | 60.4 | 930 |
| 98.7 | 89.7 | 48.2 | 26.0 | 8.2 | 1.7 | 60.4 | 7440 |

MONTH: AUG

| | | | | | | | |
|-------|------|------|------|------|-----|------|-----------|
| 40% | 50% | 60% | 70% | 80% | 90% | MEAN | TOTAL OBS |
| 98.7 | 92.9 | 72.9 | 35.3 | 10.6 | 1.2 | 55.5 | 930 |
| 99.3 | 95.7 | 85.4 | 56.0 | 19.1 | 1.5 | 70.4 | 930 |
| 99.6 | 97.3 | 87.1 | 64.9 | 29.3 | 2.8 | 70.7 | 929 |
| 95.4 | 74.0 | 39.1 | 13.6 | 3.1 | .4 | 56.5 | 929 |
| 79.2 | 35.2 | 11.5 | 5.4 | 1.9 | | 45.3 | 930 |
| 92.5 | 27.6 | 10.6 | 5.5 | .9 | | 44.2 | 930 |
| 88.3 | 52.5 | 23.3 | 9.1 | 1.9 | | 51.0 | 930 |
| 95.6 | 82.2 | 49.7 | 18.6 | 5.6 | .5 | 57.9 | 930 |
| 97.0 | 69.9 | 47.3 | 24.8 | 7.4 | .3 | 59.9 | 7437 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72354)

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

PERIOD OF
MONTH: 5

| | | | | | | | | | |
|--------------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | |
| LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| 00-02 | 100.0 | 100.0 | 100.0 | 99.3 | 92.3 | 73.0 | 46.2 | 19.1 | 3.5 |
| 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 84.7 | 60.1 | 30.7 | 5.8 |
| 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 86.7 | 63.3 | 33.2 | 7.4 |
| 09-11 | 100.0 | 100.0 | 99.8 | 94.2 | 73.3 | 47.6 | 27.4 | 10.2 | 1.9 |
| 12-14 | 100.0 | 98.8 | 95.2 | 88.1 | 43.3 | 25.1 | 13.3 | 4.4 | 1.0 |
| 15-17 | 100.0 | 99.4 | 92.4 | 62.0 | 37.0 | 22.3 | 10.5 | 4.3 | 1.0 |
| 18-20 | 100.0 | 98.4 | 88.4 | 62.6 | 55.9 | 37.2 | 19.2 | 7.4 | 1.0 |
| 21-23 | 100.0 | 100.0 | 100.0 | 97.0 | 81.1 | 57.2 | 32.5 | 13.4 | 2.7 |
| ALL
HOURS | 100.0 | 97.9 | 92.0 | 87.9 | 72.7 | 54.2 | 34.1 | 15.2 | 3.3 |
| | | | | | | | | | |

| | | | | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 00-02 | 100.0 | 100.0 | 99.4 | 95.3 | 84.1 | 63.4 | 50.3 | 35.0 | 18.2 |
| 03-05 | 100.0 | 100.0 | 99.7 | 93.0 | 83.7 | 74.2 | 62.0 | 41.2 | 20.7 |
| 06-08 | 100.0 | 100.0 | 99.9 | 98.4 | 89.2 | 77.2 | 67.3 | 48.3 | 27.3 |
| 09-11 | 100.0 | 100.0 | 97.0 | 84.8 | 70.0 | 55.1 | 39.6 | 25.1 | 12.0 |
| 12-14 | 100.0 | 99.4 | 87.1 | 63.5 | 51.5 | 35.3 | 21.2 | 13.5 | 6.0 |
| 15-17 | 100.0 | 97.6 | 83.0 | 62.5 | 47.7 | 31.7 | 20.4 | 12.7 | 6.0 |
| 18-20 | 100.0 | 99.0 | 94.5 | 82.6 | 65.1 | 50.3 | 32.5 | 19.6 | 9.4 |
| 21-23 | 100.0 | 100.0 | 99.2 | 91.7 | 79.5 | 62.0 | 45.0 | 26.7 | 13.0 |
| ALL
HOURS | 100.0 | 99.5 | 95.0 | 85.3 | 72.1 | 55.2 | 41.0 | 27.3 | 12.0 |

ACCUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

NAME: TINKER AFB OK
ZC: + 5

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP

| | | | | | | | |
|--------------------------------------------|------|------|------|------|-----|------|-----------|
| RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | |
| 40% | 50% | 60% | 70% | 80% | 90% | MEAN | TOTAL OBS |
| | | | | | | | |
| 94.3 | 92.3 | 73.0 | 46.2 | 19.1 | 3.5 | 67.8 | 900 |
| 99.0 | 97.0 | 84.7 | 60.1 | 30.7 | 6.6 | 72.3 | 900 |
| 100.0 | 98.2 | 86.7 | 63.3 | 33.2 | 8.4 | 73.5 | 900 |
| 99.2 | 73.3 | 47.5 | 27.8 | 10.2 | 1.9 | 60.0 | 900 |
| 99.1 | 43.3 | 25.1 | 13.3 | 4.4 | 1.5 | 49.6 | 900 |
| 99.0 | 37.0 | 22.3 | 10.5 | 4.3 | .9 | 47.0 | 900 |
| 99.5 | 55.9 | 37.2 | 19.0 | 7.3 | 1.5 | 55.0 | 900 |
| 97.0 | 61.1 | 57.2 | 32.5 | 13.4 | 2.7 | 63.1 | 900 |
| 77.7 | 72.7 | 54.2 | 34.1 | 15.3 | 3.3 | 63.1 | 7200 |
| | | | | | | | |

MONTH: OCT

| | | | | | | | |
|-------|------|------|------|------|------|------|------|
| 96.3 | 84.1 | 63.4 | 50.3 | 36.0 | 15.7 | 69.6 | 930 |
| 99.0 | 88.7 | 74.0 | 57.0 | 41.7 | 26.0 | 72.4 | 930 |
| 99.4 | 89.8 | 77.2 | 60.3 | 42.3 | 20.3 | 73.5 | 930 |
| 94.9 | 70.0 | 55.1 | 39.5 | 25.1 | 12.2 | 62.9 | 930 |
| 94.5 | 51.6 | 35.3 | 21.0 | 13.5 | 5.5 | 52.7 | 930 |
| 92.5 | 47.7 | 31.7 | 20.4 | 12.7 | 5.6 | 50.7 | 930 |
| 92.6 | 65.1 | 50.3 | 32.5 | 18.6 | 9.9 | 59.8 | 929 |
| 91.7 | 79.5 | 62.0 | 45.9 | 23.7 | 13.0 | 65.5 | 930 |
| 95.3 | 72.1 | 55.9 | 41.0 | 27.3 | 12.9 | 65.5 | 7439 |

OPERATING LOCATION "A"
USAFETAG, ASHVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD
MONTH: 1

| | | | | | | | | | |
|--------------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | |
| LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| 00-02 | 100.0 | 100.0 | 100.0 | 97.9 | 90.1 | 73.2 | 52.0 | 33.7 | 13.1 |
| 03-05 | 100.0 | 100.0 | 100.0 | 99.1 | 94.1 | 80.5 | 60.3 | 39.6 | 12.7 |
| 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 95.8 | 86.2 | 72.9 | 60.1 | 15.7 |
| 09-11 | 100.0 | 100.0 | 99.3 | 92.4 | 77.4 | 61.4 | 43.4 | 27.9 | 1.7 |
| 12-14 | 100.0 | 99.6 | 69.5 | 71.9 | 54.3 | 39.3 | 25.6 | 13.7 | 5.7 |
| 15-17 | 100.0 | 93.5 | 37.3 | 55.3 | 40.7 | 34.7 | 22.2 | 12.2 | 4.7 |
| 18-20 | 100.0 | 86.9 | 23.0 | 37.9 | 68.3 | 50.5 | 32.2 | 17.2 | 5.7 |
| 21-23 | 100.0 | 100.0 | 90.3 | 26.2 | 52.7 | 61.9 | 44.2 | 25.6 | 1.7 |
| ALL
HOURS | 100.0 | 99.7 | 95.7 | 82.0 | 75.7 | 61.1 | 42.0 | 25.4 | 3.7 |
| | | | | | | | | | |

MONTH: 2

| | | | | | | | | | |
|--------------|-------|-------|-------|------|------|------|------|------|------|
| 00-02 | 100.0 | 100.0 | 100.0 | 96.2 | 86.6 | 73.8 | 61.8 | 27.7 | 11.7 |
| 03-05 | 100.0 | 100.0 | 99.7 | 95.9 | 89.7 | 74.1 | 58.5 | 33.2 | 11.7 |
| 06-08 | 100.0 | 100.0 | 99.7 | 99.4 | 90.3 | 77.1 | 57.2 | 30.5 | 11.7 |
| 09-11 | 100.0 | 100.0 | 99.4 | 94.5 | 80.1 | 62.6 | 42.7 | 26.7 | 11.7 |
| 12-14 | 100.0 | 99.4 | 95.2 | 74.9 | 54.8 | 37.5 | 26.3 | 17.2 | 5.7 |
| 15-17 | 100.0 | 95.9 | 91.1 | 70.9 | 51.1 | 33.8 | 25.1 | 16.3 | 5.7 |
| 18-20 | 100.0 | 99.9 | 93.1 | 89.3 | 71.6 | 51.5 | 33.3 | 12.5 | 7.7 |
| 21-23 | 100.0 | 100.0 | 99.4 | 94.5 | 83.4 | 63.3 | 44.4 | 24.1 | 3.7 |
| ALL
HOURS | 100.0 | 99.8 | 97.3 | 80.6 | 75.9 | 58.9 | 41.9 | 24.1 | 5.7 |

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

NAME: TINKER AFB OK
UTC: + 6

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: NOV

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO

| 40% | 50% | 60% | 70% | 80% | 90% | MEAN | TOTAL OBS |
|------|------|------|------|------|------|------|-----------|
| 97.9 | 90.1 | 73.2 | 52.0 | 33.7 | 10.1 | 70.4 | 900 |
| 99.1 | 94.1 | 80.5 | 60.3 | 39.6 | 12.9 | 73.2 | 900 |
| 99.9 | 95.8 | 86.2 | 67.9 | 40.1 | 15.3 | 74.7 | 900 |
| 99.4 | 97.4 | 81.4 | 43.4 | 27.9 | 8.9 | 65.7 | 900 |
| 91.9 | 54.3 | 39.3 | 25.6 | 13.7 | 5.5 | 54.6 | 999 |
| 65.3 | 49.7 | 34.7 | 22.2 | 12.2 | 4.6 | 52.0 | 999 |
| 47.9 | 43.3 | 30.5 | 32.2 | 15.7 | 5.7 | 50.3 | 900 |
| 36.2 | 32.7 | 21.2 | 44.2 | 25.5 | 3.4 | 55.3 | 900 |
| 22.9 | 26.7 | 21.1 | 42.2 | 25.4 | 9.0 | 55.3 | 7199 |

MONTH: DEC

| | | | | | | | |
|------|------|------|------|------|------|------|------|
| 29.2 | 36.6 | 70.8 | 51.5 | 27.0 | 10.4 | 69.0 | 930 |
| 35.9 | 49.7 | 74.1 | 54.5 | 30.2 | 11.3 | 70.3 | 929 |
| 39.4 | 40.3 | 77.1 | 57.2 | 30.7 | 11.5 | 71.4 | 930 |
| 34.6 | 49.1 | 62.6 | 42.7 | 26.7 | 10.5 | 66.3 | 929 |
| 74.9 | 54.8 | 37.5 | 26.3 | 17.2 | 5.8 | 55.6 | 930 |
| 70.2 | 51.1 | 33.8 | 25.1 | 16.8 | 5.3 | 53.9 | 930 |
| 2.3 | 71.6 | 51.5 | 33.3 | 12.5 | 7.4 | 61.9 | 930 |
| 26.5 | 33.4 | 63.8 | 44.4 | 24.1 | 8.3 | 66.5 | 930 |
| 20.6 | 75.9 | 58.2 | 41.9 | 24.1 | 5.8 | 66.5 | 7430 |

OPERATING LOCATION "A"
USAFETAC, ASHVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 5

PERIOD:
MONTH:

| | | | | | | | | | |
|-------------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HOURS | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | |
| LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% |
| | | | | | | | | | |
| 00-02 | 100.0 | 100.0 | 99.7 | 97.1 | 86.4 | 71.2 | 47.6 | 24.3 | 7 |
| 03-05 | 100.0 | 100.0 | 99.3 | 95.5 | 82.6 | 70.7 | 57.3 | 31.5 | 4 |
| 06-08 | 100.0 | 100.0 | 99.1 | 95.9 | 83.4 | 69.3 | 57.6 | 31.3 | 10 |
| 09-11 | 100.0 | 99.9 | 98.2 | 90.7 | 73.9 | 52.4 | 32.1 | 15.4 | 6 |
| 12-14 | 100.0 | 99.1 | 91.3 | 72.0 | 50.0 | 31.0 | 17.3 | 5.6 | 1 |
| 15-17 | 100.0 | 98.3 | 85.3 | 65.6 | 44.1 | 26.2 | 15.1 | 7.7 | 0 |
| 18-20 | 100.0 | 98.3 | 85.4 | 62.3 | 41.6 | 20.7 | 13.1 | 11.1 | 0 |
| 21-23 | 100.0 | 100.0 | 92.2 | 73.3 | 50.4 | 32.0 | 16.3 | 17.5 | 0 |
| ALL
DAYS | 100.0 | 99.3 | 96.3 | 87.3 | 73.0 | 54.0 | 35.7 | 18.5 | 0 |

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION: TINKER AFB OK
ELEV: + 5

PERIOD OF RECORD: MAR 70 - FEB 87
MONTH: ALL

|
RELATIVE HUMIDITY GREATER THAN OR EQUAL TO
..... | | | | | | | |
|--------------------------------------------------------------|------|------|------|------|------|------|-----------|
| 40% | 50% | 60% | 70% | 80% | 90% | YEAR | TOTAL OBS |
| 97.1 | 88.4 | 71.2 | 47.6 | 24.3 | 7.3 | 63.2 | 10958 |
| 98.5 | 92.6 | 72.7 | 57.3 | 31.5 | 9.8 | 71.4 | 10956 |
| 98.9 | 93.4 | 79.3 | 57.6 | 31.3 | 10.3 | 71.7 | 10957 |
| 99.7 | 73.9 | 52.4 | 32.1 | 15.4 | 6.2 | 61.4 | 10957 |
| 92.0 | 50.0 | 31.0 | 17.3 | 8.6 | 2.8 | 51.3 | 10955 |
| 90.5 | 44.1 | 26.2 | 15.1 | 7.7 | 2.4 | 49.2 | 10957 |
| 92.3 | 51.5 | 40.7 | 23.1 | 11.1 | 3.6 | 56.3 | 10955 |
| 93.7 | 30.4 | 59.0 | 36.3 | 17.5 | 5.1 | 63.7 | 10956 |
| 97.3 | 73.0 | 54.2 | 35.2 | 14.5 | 4.2 | 61.7 | 97651 |

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS.

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR DATA ACQUISITION.

ALTITUDE SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

UNITS AND CONVERSIONS ARE: 1 MILLIBAR = 0.03345 INCHES OF HG.

PART F

PRESSURE SUMMARIES

DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

1. AT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

2. AT ALL YEARS AND ALL HOURS COMBINED.

3. AT ALL YEARS AND ALL HOURS COMBINED.

NOTE:

1. THIS SUMMARY IS NOT AVAILABLE FOR WEATHER REPORTING SITES.

2. THIS SUMMARY IS NOT AVAILABLE FOR WEATHER REPORTING SITES.

3. THIS SUMMARY IS NOT AVAILABLE FOR WEATHER REPORTING SITES.

4. THIS SUMMARY IS NOT AVAILABLE FOR WEATHER REPORTING SITES.

5. THIS SUMMARY IS NOT AVAILABLE FOR WEATHER REPORTING SITES.

6. THIS SUMMARY IS NOT AVAILABLE FOR WEATHER REPORTING SITES.

OPERATING LOCATION: HAW
USAFPTAC, APOVILLA, NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM JULY OBSERVATIONS

STATION NUMBER: 213343

STATION NAME: TINKER AFB, OK
LST TIME: + 6

PERIOD: 1950

| HOURS
(LST) | STATUS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0000 | SEA | 1021.5 | 1019.8 | 1014.3 | 1013.5 | 1012.5 | 1013.3 | 1014.5 | 1014.7 |
| | SEA | 7.335 | 7.302 | 7.253 | 7.275 | 7.405 | 7.245 | 7.079 | 7.207 |
| | TIME | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 |
| 0300 | SEA | 1021.1 | 1019.1 | 1019.4 | 1013.1 | 1012.2 | 1012.9 | 1014.3 | 1014.4 |
| | SEA | 7.25 | 7.377 | 7.217 | 7.343 | 7.461 | 7.345 | 7.112 | 7.229 |
| | TIME | 300 | 283 | 309 | 300 | 310 | 300 | 310 | 310 |
| 0600 | SEA | 1021.2 | 1019.4 | 1015.2 | 1013.3 | 1012.9 | 1013.7 | 1016.1 | 1016.1 |
| | SEA | 7.112 | 7.056 | 7.343 | 7.126 | 7.553 | 7.349 | 7.103 | 7.324 |
| | TIME | 310 | 283 | 310 | 300 | 300 | 300 | 310 | 310 |
| 0900 | SEA | 1020.4 | 1020.5 | 1019.2 | 1014.1 | 1013.5 | 1014.5 | 1016.0 | 1016.0 |
| | SEA | 7.253 | 7.752 | 7.491 | 7.311 | 7.552 | 7.375 | 7.14 | 7.158 |
| | TIME | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 |
| 1200 | SEA | 1020.2 | 1020.5 | 1019.2 | 1014.4 | 1013.4 | 1014.2 | 1017.3 | 1017.7 |
| | SEA | 7.337 | 7.559 | 7.337 | 7.291 | 7.462 | 7.241 | 7.221 | 7.338 |
| | TIME | 310 | 283 | 310 | 300 | 310 | 300 | 310 | 310 |
| 1500 | SEA | 1020.7 | 1019.4 | 1013.3 | 1012.6 | 1011.2 | 1012.3 | 1014.7 | 1014.7 |
| | SEA | 7.221 | 7.571 | 7.356 | 7.391 | 7.328 | 7.231 | 7.031 | 7.176 |
| | TIME | 310 | 283 | 309 | 300 | 310 | 300 | 300 | 310 |
| 1800 | SEA | 1020.7 | 1019.5 | 1013.5 | 1012.7 | 1011.1 | 1011.5 | 1013.7 | 1013.7 |
| | SEA | 7.319 | 7.449 | 7.155 | 7.325 | 7.251 | 7.069 | 7.073 | 7.219 |
| | TIME | 310 | 282 | 310 | 300 | 310 | 290 | 300 | 310 |
| 2100 | SEA | 1021.3 | 1019.8 | 1014.6 | 1013.8 | 1012.2 | 1012.7 | 1013.9 | 1014.1 |
| | SEA | 7.232 | 7.253 | 7.241 | 7.265 | 7.220 | 7.129 | 7.223 | 7.224 |
| | TIME | 310 | 282 | 310 | 298 | 310 | 310 | 310 | 310 |
| 2400 | SEA | 1021.3 | 1019.5 | 1014.5 | 1013.5 | 1012.5 | 1013.3 | 1014.5 | 1014.7 |
| | SEA | 7.197 | 7.527 | 7.371 | 7.123 | 7.476 | 7.334 | 7.111 | 7.413 |
| | TIME | 2472 | 2282 | 2475 | 2599 | 2470 | 2390 | 2473 | 2460 |

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

PERIOD OF RECORD: MAR 79 - FEB 89

PERIOD OF RECORD: MAR 79 - FEB 89

| APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| 1013.6
6.075
300 | 1012.5
5.406
310 | 1013.3
4.243
300 | 1014.5
3.079
310 | 1014.7
3.207
310 | 1015.7
4.345
300 | 1017.2
5.087
310 | 1017.7
7.670
300 | 1021.0
8.427
310 | 1016.3
7.173
3651 |
| 1013.1
6.031
300 | 1012.2
5.431
310 | 1012.9
4.385
300 | 1014.3
3.112
310 | 1014.4
3.229
310 | 1015.5
4.354
300 | 1017.1
5.222
310 | 1017.4
7.936
300 | 1020.3
8.534
309 | 1016.0
7.256
3650 |
| 1013.3
7.136
300 | 1012.9
5.950
309 | 1013.3
4.349
300 | 1015.1
3.103
310 | 1015.1
3.324
310 | 1016.3
4.910
300 | 1017.7
6.259
310 | 1017.8
7.953
299 | 1020.8
8.557
310 | 1016.6
7.201
3650 |
| 1013.1
7.311
300 | 1013.3
5.882
310 | 1014.6
4.376
300 | 1015.0
3.057
310 | 1015.0
3.335
310 | 1017.4
4.852
300 | 1018.2
5.335
310 | 1018.3
6.106
298 | 1022.0
8.720
310 | 1017.5
7.311
3651 |
| 1013.4
7.291
310 | 1013.4
5.432
310 | 1014.2
4.281
300 | 1015.5
3.021
310 | 1015.5
3.305
310 | 1016.3
4.368
300 | 1018.1
5.297
310 | 1018.3
8.150
299 | 1021.6
8.765
310 | 1017.2
7.327
3652 |
| 1012.4
7.061
300 | 1011.9
5.335
310 | 1012.3
4.201
299 | 1014.3
3.031
300 | 1013.7
3.305
310 | 1014.8
4.776
300 | 1015.2
5.113
310 | 1016.4
8.150
300 | 1019.5
8.661
310 | 1015.3
7.139
3650 |
| 1012.2
6.225
300 | 1011.1
5.251
310 | 1011.5
4.089
299 | 1013.0
2.972
300 | 1012.9
3.319
310 | 1014.5
4.773
300 | 1016.3
5.928
310 | 1016.9
7.897
300 | 1020.3
8.365
309 | 1015.1
7.204
3649 |
| 1013.5
6.045
300 | 1012.2
5.220
310 | 1012.7
4.109
300 | 1013.9
3.023
310 | 1014.1
3.274
310 | 1015.7
4.783
300 | 1017.3
5.970
310 | 1017.7
7.909
300 | 1021.2
8.220
310 | 1016.1
7.154
3651 |
| 1013.5
7.123
2999 | 1012.5
5.475
2475 | 1013.3
4.333
2398 | 1014.5
3.181
2478 | 1014.5
3.415
2430 | 1015.2
4.903
2400 | 1017.3
5.215
2430 | 1017.5
8.032
2396 | 1020.9
8.572
2478 | 1016.3
7.256
29204 |

OPERATING LOCATION: WAM
USAFETAC, ASHVILLE, NC

ALTIMETER SETTING IN INCHES
F-34 HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

PERIOD

| HOURS
(LST) | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|----------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0000 | WAM | 30.14 | 30.09 | 29.97 | 29.96 | 29.93 | 29.96 | 30.01 | 30.01 |
| | 50 | .224 | .247 | .235 | .199 | .155 | .122 | .080 | .031 |
| | FM 100 | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 31 |
| 0200 | WAM | 30.14 | 30.08 | 29.96 | 29.93 | 29.92 | 29.95 | 30.00 | 30.00 |
| | 50 | .226 | .252 | .234 | .202 | .160 | .126 | .090 | .038 |
| | FM 100 | 310 | 293 | 310 | 300 | 310 | 299 | 310 | 31 |
| 0400 | WAM | 30.13 | 30.09 | 29.97 | 29.96 | 29.94 | 29.92 | 30.02 | 30.00 |
| | 50 | .227 | .250 | .237 | .206 | .160 | .126 | .090 | .038 |
| | FM 100 | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 31 |
| 0600 | WAM | 30.13 | 30.11 | 30.01 | 29.96 | 29.96 | 30.00 | 30.06 | 30.00 |
| | 50 | .226 | .250 | .242 | .209 | .160 | .127 | .080 | .038 |
| | FM 100 | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 41 |
| 0800 | WAM | 30.13 | 30.12 | 30.00 | 29.97 | 29.96 | 29.99 | 30.06 | 30.00 |
| | 50 | .227 | .246 | .243 | .209 | .160 | .124 | .080 | .038 |
| | FM 100 | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 31 |
| 1000 | WAM | 30.13 | 30.09 | 29.94 | 29.92 | 29.91 | 29.96 | 30.00 | 29.90 |
| | 50 | .221 | .233 | .233 | .223 | .163 | .121 | .080 | .038 |
| | FM 100 | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 21 |
| 1200 | WAM | 30.11 | 30.06 | 29.93 | 29.91 | 29.93 | 29.92 | 30.00 | 29.90 |
| | 50 | .226 | .234 | .233 | .196 | .161 | .119 | .086 | .034 |
| | FM 100 | 310 | 291 | 310 | 300 | 310 | 300 | 310 | 31 |
| 1400 | WAM | 30.13 | 30.09 | 29.96 | 29.94 | 29.92 | 29.96 | 30.00 | 29.90 |
| | 50 | .223 | .237 | .234 | .177 | .149 | .110 | .087 | .038 |
| | FM 100 | 300 | 292 | 310 | 299 | 310 | 300 | 310 | 31 |
| ALL
HOURS | WAM | 30.14 | 30.08 | 29.97 | 29.94 | 29.93 | 29.96 | 30.01 | 30.01 |
| | 50 | .222 | .245 | .233 | .204 | .157 | .125 | .082 | .037 |
| | FM 100 | 2470 | 2261 | 2480 | 2399 | 2460 | 2399 | 2480 | 2480 |

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

16582 AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89

| APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 29.95
.199
300 | 29.93
.155
310 | 29.96
.122
300 | 30.01
.087
310 | 30.01
.091
310 | 30.03
.135
300 | 30.06
.172
310 | 30.05
.222
300 | 30.14
.235
310 | 30.03
.197
3653 |
| 29.93
.202
300 | 29.92
.155
310 | 29.95
.125
299 | 30.00
.090
310 | 30.00
.092
310 | 30.03
.135
300 | 30.05
.175
309 | 30.05
.223
300 | 30.13
.238
310 | 30.02
.200
3651 |
| 29.95
.205
300 | 29.94
.159
310 | 29.92
.125
300 | 30.02
.090
310 | 30.02
.095
310 | 30.05
.134
300 | 30.07
.175
309 | 30.06
.225
300 | 30.13
.242
310 | 30.03
.199
3652 |
| 29.95
.209
300 | 29.95
.150
310 | 29.99
.127
309 | 30.05
.089
310 | 30.05
.095
310 | 30.08
.135
300 | 30.10
.150
310 | 30.09
.229
299 | 30.16
.244
310 | 30.05
.202
3652 |
| 29.97
.209
310 | 29.95
.153
310 | 29.99
.124
300 | 30.04
.089
310 | 30.03
.094
310 | 30.05
.135
300 | 30.08
.179
310 | 30.07
.231
300 | 30.15
.245
310 | 30.05
.202
3653 |
| 29.92
.203
300 | 29.91
.153
310 | 29.95
.121
300 | 29.99
.090
310 | 29.93
.094
310 | 30.01
.133
299 | 30.03
.174
310 | 30.02
.230
300 | 30.10
.243
310 | 30.00
.197
3652 |
| 29.91
.195
310 | 29.89
.151
310 | 29.92
.119
300 | 29.96
.086
310 | 29.95
.094
310 | 29.94
.133
300 | 30.03
.170
310 | 30.03
.224
300 | 30.11
.234
310 | 29.99
.197
3651 |
| 29.96
.197
299 | 29.92
.149
310 | 29.95
.119
300 | 29.99
.087
310 | 29.99
.093
310 | 30.03
.134
300 | 30.06
.169
310 | 30.05
.224
300 | 30.14
.229
310 | 30.02
.196
3649 |
| 29.94
.204
300 | 29.93
.157
2450 | 29.96
.125
2399 | 30.01
.092
2430 | 30.01
.097
2430 | 30.03
.137
2399 | 30.06
.175
2478 | 30.05
.227
2397 | 30.13
.240
2450 | 30.03
.200
29213 |

OPERATING LOCATION "A"
USAFETAC, ASHVILLE, NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 303940

STATION NAME: TINKER AFB OK
EST TO UTC: + 6

PERIOD OF

| MONTHS
(LST) | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|-----------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0000 | MEAN | 28.75 | 28.71 | 28.59 | 28.57 | 28.55 | 28.59 | 28.53 | 28.53 |
| | SD | .014 | .033 | .026 | .192 | .150 | .114 | .035 | .097 |
| | TIME CORR | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 310 |
| 0300 | MEAN | 28.75 | 28.70 | 28.58 | 28.55 | 28.54 | 28.54 | 28.52 | 28.53 |
| | SD | .017 | .042 | .026 | .195 | .152 | .107 | .034 | .095 |
| | TIME CORR | 310 | 293 | 310 | 300 | 310 | 299 | 310 | 310 |
| 0600 | MEAN | 28.75 | 28.71 | 28.60 | 28.58 | 28.55 | 28.57 | 28.55 | 28.54 |
| | SD | .022 | .041 | .027 | .198 | .153 | .12 | .037 | .094 |
| | TIME CORR | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 310 |
| 0900 | MEAN | 28.7 | 28.74 | 28.63 | 28.61 | 28.54 | 28.62 | 28.67 | 28.67 |
| | SD | .024 | .040 | .033 | .201 | .154 | .122 | .035 | .097 |
| | TIME CORR | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 310 |
| 1200 | MEAN | 28.72 | 28.74 | 28.62 | 28.60 | 28.53 | 28.61 | 28.6 | 28.58 |
| | SD | .028 | .037 | .034 | .201 | .152 | .119 | .034 | .097 |
| | TIME CORR | 31 | 293 | 310 | 300 | 310 | 300 | 310 | 310 |
| 1500 | MEAN | 28.72 | 28.65 | 28.57 | 28.55 | 28.54 | 28.57 | 28.50 | 28.51 |
| | SD | .022 | .035 | .029 | .195 | .143 | .117 | .034 | .097 |
| | TIME CORR | 310 | 293 | 310 | 300 | 310 | 300 | 310 | 310 |
| 1800 | MEAN | 28.73 | 28.63 | 28.55 | 28.53 | 28.51 | 28.54 | 28.55 | 28.55 |
| | SD | .017 | .025 | .024 | .188 | .145 | .115 | .032 | .097 |
| | TIME CORR | 310 | 291 | 310 | 300 | 310 | 300 | 310 | 310 |
| 2100 | MEAN | 28.75 | 28.71 | 28.59 | 28.57 | 28.54 | 28.57 | 28.51 | 28.52 |
| | SD | .017 | .027 | .026 | .190 | .144 | .114 | .032 | .097 |
| | TIME CORR | 300 | 292 | 310 | 299 | 310 | 300 | 310 | 310 |
| 2400 | MEAN | 28.76 | 28.71 | 28.53 | 28.57 | 28.55 | 28.59 | 28.53 | 28.53 |
| 03000 | SD | .021 | .035 | .030 | .175 | .151 | .121 | .035 | .095 |
| | TIME CORR | 2470 | 2261 | 2400 | 2399 | 2400 | 2409 | 2400 | 2400 |

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION: 4F3 OK

PERIOD OF RECORD: MAR 79 - FEB 89

| APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| 28.57
.122
300 | 28.55
.150
310 | 28.59
.118
300 | 28.63
.089
310 | 28.63
.087
310 | 28.65
.130
300 | 28.68
.165
310 | 28.68
.213
300 | 28.75
.227
310 | 28.65
.190
3653 |
| 28.55
.195
300 | 28.54
.152
310 | 28.51
.121
299 | 28.62
.096
310 | 28.63
.098
310 | 28.65
.131
300 | 28.65
.170
309 | 28.67
.215
300 | 28.75
.229
310 | 28.64
.193
3651 |
| 28.58
.198
300 | 28.56
.153
310 | 28.60
.120
300 | 28.65
.090
310 | 28.64
.091
310 | 28.67
.124
300 | 28.69
.171
300 | 28.67
.217
300 | 28.75
.233
310 | 28.66
.191
3652 |
| 28.61
.201
300 | 28.59
.154
310 | 28.62
.122
300 | 28.67
.095
310 | 28.67
.092
310 | 28.70
.131
300 | 28.72
.173
310 | 28.71
.221
299 | 28.73
.236
310 | 28.65
.194
3652 |
| 28.60
.211
300 | 28.55
.152
310 | 28.51
.119
300 | 28.59
.094
310 | 28.58
.095
310 | 28.65
.130
300 | 28.71
.172
310 | 28.69
.222
300 | 28.77
.237
310 | 28.68
.195
3653 |
| 28.65
.195
300 | 28.54
.148
310 | 28.67
.117
300 | 28.62
.094
310 | 28.61
.090
310 | 28.63
.124
299 | 28.65
.168
310 | 28.64
.222
300 | 28.72
.234
310 | 28.62
.190
3652 |
| 28.63
.185
300 | 28.61
.145
310 | 28.64
.115
300 | 28.69
.087
310 | 28.63
.090
310 | 28.62
.123
300 | 28.65
.164
310 | 28.65
.215
300 | 28.73
.225
310 | 28.62
.190
3651 |
| 28.57
.170
299 | 28.54
.144
310 | 28.57
.114
300 | 28.61
.093
310 | 28.62
.089
310 | 28.65
.129
300 | 28.68
.153
310 | 28.67
.215
300 | 28.75
.221
310 | 28.64
.189
3649 |
| 28.67
.195
299 | 28.55
.151
2480 | 28.59
.121
2379 | 28.63
.089
2480 | 28.63
.093
2480 | 28.65
.132
2399 | 28.68
.170
2470 | 28.67
.219
2399 | 28.75
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2480 | 28.65
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29213 |

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88 88
99 99
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PART 3

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HURPLY AND SPECIAL 3 FOR
PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH DAY.
- BY MONTH (ALL YEARS AND ALL HOURS FROM 1-1-00).
- BY MONTH (ALL YEARS AND THE HOURS 0000-0000) LISTED.
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0000-0000) LISTED.

THE TABLES GIVE PERCENT OCCUR- RANCE FREQUENCY (OF 10) OF
GUST PERCENT FOR THE WIND SPEED CLASSES SPECIFIED IN THE
TABLE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMBINED FROM THE HIGHEST WIND
SPEED ONLY FROM THE HOURS 0000-0000.

THE SECOND COMPONENT IS COMBINED FROM THE HIGHEST WIND
SPEED AND DIRECTION FROM ALL HOURS WITHIN THE HOURS 0000-0000
AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE GALE WINDS.

ALL WINDS ARE CONSIDERED AS GALE WINDS UNLESS
SPECIFIED OTHERWISE IN THE REMARKS.

A TOTAL OBSERVATION COUNT IS INCLUDED.

PART 3

CROSSWIND SUMMARY

1. INT.

ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING
GUSTS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

1. 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

2. (ALL YEARS AND ALL HOURS COMBINED).

3. (ALL YEARS AND THE YEARS 1950-2000 LST COMBINED).

4. (ALL YEARS AND ALL HOURS COMBINED).

5. (ALL YEARS AND THE HOURS 0000-2400 LST COMBINED).

6. PERCENT (000) - HOUR FREQUENCY (HOUR) OF THE CROSS-RUNWAY WIND
IN THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS.

7. COMMENTS CATEGORIES:

8. PERCENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED
FROM THE HOURLY AND SPECIAL OBSERVATIONS.

9. PERCENT IS COMPUTED FROM THE HIGHEST REPORTED WIND
DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS,
AND SPECIALS.

10. THIS INCLUDES GUSTS.

11. THIS CONSIDERS THE EFFECT OF CROSSWIND IF THE SPEED REACHES OR
EXCEEDS THE CROSSWIND WIND SPEED VALUE(S).

12. THIS COMMENT IS INCLUDED.

AD-A211 168 SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) FOR

8/8

TYNTER AFB OKLAHOMA (U) AIR FORCE ENVIRONMENTAL

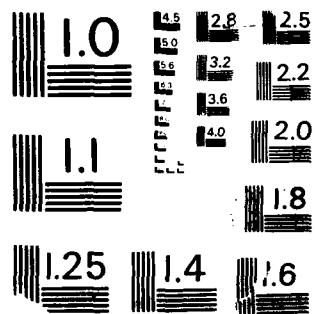
UNCLASSIFIED TECHNICAL APPLICATIONS CENTER SCOTT AFB IL JUN 89

USAFETAC/DS-89/207

F/G 4/2

NL

178



OPERATING LOCATION: "A"
 JSAFAC, ASHTVILL, GE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHILLS
 FROM WINDY OBSERVATIONS

STATION NUMBER: 713643 STATION NAME: TINKER AFB, OK
 EST. TO UTC: + 6

CATEGORY A: ANY CHILLS IN VISIBILITY (ONLY)

CATEGORY B: HIGHEST WINDS RECORDED WITHIN 1000'

TIME (LST) 0700 - 0800 0800 - 0900
 SPEED (MPH) 1.1 0.25 0.35 0.5 0.15 0.25 0.25 0.1 0.1
 CATEGORY A 0.3 0.1 0.1
 CATEGORY B 0.1 0.4 0.3 0.2 0.1

TIME (LST) 1200 - 1400 1500 - 1700
 SPEED (MPH) 1.1 0.25 0.35 0.5 0.15 0.25 0.35 0.1 0.1
 CATEGORY A 0.2 0.3 1.1 0.3 0.1
 CATEGORY B 0.1 0.4 0.7 2.1 0.2 0.2 0.1

TIME (LST) 1900 - 2100
 SPEED (MPH) 0.15 0.25 0.35 0.5
 CATEGORY A 0.2 0.5
 CATEGORY B 1.1 0.2 0.5 0.1

STAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

TINKER AFB OK

PERIOD OF RECORD: MAR 70 - FEB 89
MONTH: JAN

1: ANY CHILING OR VISIBILITY (HOURLY OBS ONLY)

2: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0400

0500 - 0600

0700 - 1100

| GE15 | GE25 | GE35 | GRS | GE15 | GE25 | GE35 | GRS | GE15 | GE25 | GE35 | GRS |
|------|------|------|-----|------|------|------|------|------|------|------|------|
| .1 | | | 930 | .2 | | | 930 | .3 | | | 930 |
| .3 | | | 950 | .2 | | | 1011 | 1.6 | .1 | | 1004 |

1500 - 1700

1800 - 2000

2100 - 2300

| GE15 | GE25 | GE35 | GRS | GE15 | GE25 | GE35 | GRS | GE15 | GE25 | GE35 | GRS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| 1.2 | | | 930 | .1 | | | 930 | .2 | | | 930 |
| 2.4 | .3 | | 970 | .3 | | | 970 | .4 | | | 912 |

0600 - 2000

ALL HOURS

| GE15 | GE25 | GE35 | GRS | GE15 | GE25 | GE35 | GRS |
|------|------|------|------|------|------|------|------|
| .2 | | | 4650 | .5 | | | 7440 |
| 1.2 | .2 | | 4950 | 1.3 | .1 | | 7906 |

OPERATING LOCATION "A"
USAFDTAG, AND VILLAGE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHASSI
FROM HOURS OF OBSERVATION

STATION NUMBER: 723545

STATION NAME: TINKER AFB, OK
EST TO DTG: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (HOURS OF)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | 0515 | 0525 | 0535 | 0545 | 0515 | 0525 | 0535 | 0545 |
| CATEGORY A | | | | 1.49 | | | | 1.49 |
| CATEGORY B | 1.1 | | | 1.22 | 1.3 | | | 1.34 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | 0515 | 0525 | 0535 | 0545 | 0515 | 0525 | 0535 | 0545 |
| CATEGORY A | 1.1 | | | 1.49 | 1.2 | | | 1.49 |
| CATEGORY B | 1.1 | 1.1 | | 1.33 | 1.1 | 1.1 | | 1.33 |

| TIME (LST) | 0500 - 0700 | | | |
|-------------|-------------|------|------|------|
| SPEED (KTS) | 0515 | 0525 | 0535 | 0545 |
| CATEGORY A | 1.0 | 1.0 | | 1.49 |
| CATEGORY B | 1.0 | 1.3 | | 1.33 |

INCIDENCY OF OCCURRENCE OF CROSSWINDS - 15 - HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: FEB

REPORT ON VISIBILITY (HOURLY OBS ONLY)

PLAYS PRESENTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0500 - 0500

0900 - 1100

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|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|
| GE15 | GE25 | GE35 | GE45 | GE55 | GE65 | GE75 | GE85 | GE95 | GE105 | GE115 | GE125 | GE135 | GE145 | GE155 | GE165 | GE175 | GE185 | GE195 | GE205 | GE215 | GE225 | GE235 | GE245 | GE255 | GE265 | GE275 | GE285 | GE295 | GE305 | GE315 | GE325 | GE335 | GE345 | GE355 | GE365 | GE375 | GE385 | GE395 | GE405 | GE415 | GE425 | GE435 | GE445 | GE455 | GE465 | GE475 | GE485 | GE495 | GE505 | GE515 | GE525 | GE535 | GE545 | GE555 | GE565 | GE575 | GE585 | GE595 | GE605 | GE615 | GE625 | GE635 | GE645 | GE655 | GE665 | GE675 | GE685 | GE695 | GE705 | GE715 | GE725 | GE735 | GE745 | GE755 | GE765 | GE775 | GE785 | GE795 | GE805 | GE815 | GE825 | GE835 | GE845 | GE855 | GE865 | GE875 | GE885 | GE895 | GE905 | GE915 | GE925 | GE935 | GE945 | GE955 | GE965 | GE975 | GE985 | GE995 | GE1005 | GE1015 | GE1025 | GE1035 | GE1045 | GE1055 | GE1065 | GE1075 | GE1085 | GE1095 | GE1105 | GE1115 | GE1125 | GE1135 | GE1145 | GE1155 | GE1165 | GE1175 | GE1185 | GE1195 | GE1205 | GE1215 | GE1225 | GE1235 | GE1245 | GE1255 | GE1265 | GE1275 | GE1285 | GE1295 | GE1305 | GE1315 | GE1325 | GE1335 | GE1345 | GE1355 | GE1365 | GE1375 | GE1385 | GE1395 | GE1405 | GE1415 | GE1425 | GE1435 | GE1445 | GE1455 | GE1465 | GE1475 | GE1485 | GE1495 | GE1505 | GE1515 | GE1525 | GE1535 | GE1545 | GE1555 | GE1565 | GE1575 | GE1585 | GE1595 | GE1605 | GE1615 | GE1625 | GE1635 | GE1645 | GE1655 | GE1665 | GE1675 | GE1685 | GE1695 | GE1705 | GE1715 | GE1725 | GE1735 | GE1745 | GE1755 | GE1765 | GE1775 | GE1785 | GE1795 | GE1805 | GE1815 | GE1825 | GE1835 | GE1845 | GE1855 | GE1865 | GE1875 | GE1885 | GE1895 | GE1905 | GE1915 | GE1925 | GE1935 | GE1945 | GE1955 | GE1965 | GE1975 | GE1985 | GE1995 | GE2005 | GE2015 | GE2025 | GE2035 | GE2045 | GE2055 | GE2065 | GE2075 | GE2085 | GE2095 | GE2105 | GE2115 | GE2125 | GE2135 | GE2145 | GE2155 | GE2165 | GE2175 | GE2185 | GE2195 | GE2205 | GE2215 | GE2225 | GE2235 | GE2245 | GE2255 | GE2265 | GE2275 | GE2285 | GE2295 | GE2305 | GE2315 | GE2325 | GE2335 | GE2345 | GE2355 | GE2365 | GE2375 | GE2385 | GE2395 | GE2405 | GE2415 | GE2425 | GE2435 | GE2445 | GE2455 | GE2465 | GE2475 | GE2485 | GE2495 | GE2505 | GE2515 | GE2525 | GE2535 | GE2545 | GE2555 | GE2565 | GE2575 | GE2585 | GE2595 | GE2605 | GE2615 | GE2625 | GE2635 | GE2645 | GE2655 | GE2665 | GE2675 | GE2685 | GE2695 | GE2705 | GE2715 | GE2725 | GE2735 | GE2745 | GE2755 | GE2765 | GE2775 | GE2785 | GE2795 | GE2805 | GE2815 | GE2825 | GE2835 | GE2845 | GE2855 | GE2865 | GE2875 | GE2885 | GE2895 | GE2905 | GE2915 | GE2925 | GE2935 | GE2945 | GE2955 | GE2965 | GE2975 | GE2985 | GE2995 | GE3005 | GE3015 | GE3025 | GE3035 | GE3045 | GE3055 | GE3065 | GE3075 | GE3085 | GE3095 | GE3105 | GE3115 | GE3125 | GE3135 | GE3145 | GE3155 | GE3165 | GE3175 | GE3185 | GE3195 | GE3205 | GE3215 | GE3225 | GE3235 | GE3245 | GE3255 | GE3265 | GE3275 | GE3285 | GE3295 | GE3305 | GE3315 | GE3325 | GE3335 | GE3345 | GE3355 | GE3365 | GE3375 | GE3385 | GE3395 | GE3405 | GE3415 | GE3425 | GE3435 | GE3445 | GE3455 | GE3465 | GE3475 | GE3485 | GE3495 | GE3505 | GE3515 | GE3525 | GE3535 | GE3545 | GE3555 | GE3565 | GE3575 | GE3585 | GE3595 | GE3605 | GE3615 | GE3625 | GE3635 | GE3645 | GE3655 | GE3665 | GE3675 | GE3685 | GE3695 | GE3705 | GE3715 | GE3725 | GE3735 | GE3745 | GE3755 | GE3765 | GE3775 | GE3785 | GE3795 | GE3805 | GE3815 | GE3 |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|

1500 - 1700

1900 - 2000

2100 - 2300

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-----|--|-------|-------|-------|-------|-----|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|
| GE 15 | GE 35 | .45 | | GE 15 | GE 25 | GE 35 | GE 45 | 798 | | GE 15 | GE 25 | GE 35 | GE 45 | GE 55 | GE 65 | GE 75 | GE 85 | GE 95 | GE 105 | GE 115 | GE 125 | GE 135 | GE 145 | GE 155 | GE 165 | GE 175 | GE 185 | GE 195 | GE 205 | GE 215 | GE 225 | GE 235 | GE 245 | GE 255 | GE 265 | GE 275 | GE 285 | GE 295 | GE 305 | GE 315 | GE 325 | GE 335 | GE 345 | GE 355 | GE 365 | GE 375 | GE 385 | GE 395 | GE 405 | GE 415 | GE 425 | GE 435 | GE 445 | GE 455 | GE 465 | GE 475 | GE 485 | GE 495 | GE 505 | GE 515 | GE 525 | GE 535 | GE 545 | GE 555 | GE 565 | GE 575 | GE 585 | GE 595 | GE 605 | GE 615 | GE 625 | GE 635 | GE 645 | GE 655 | GE 665 | GE 675 | GE 685 | GE 695 | GE 705 | GE 715 | GE 725 | GE 735 | GE 745 | GE 755 | GE 765 | GE 775 | GE 785 | GE 795 | GE 805 | GE 815 | GE 825 | GE 835 | GE 845 | GE 855 | GE 865 | GE 875 | GE 885 | GE 895 | GE 905 | GE 915 | GE 925 | GE 935 | GE 945 | GE 955 | GE 965 | GE 975 | GE 985 | GE 995 | GE 1005 | GE 1015 | GE 1025 | GE 1035 | GE 1045 | GE 1055 | GE 1065 | GE 1075 | GE 1085 | GE 1095 | GE 1105 | GE 1115 | GE 1125 | GE 1135 | GE 1145 | GE 1155 | GE 1165 | GE 1175 | GE 1185 | GE 1195 | GE 1205 | GE 1215 | GE 1225 | GE 1235 | GE 1245 | GE 1255 | GE 1265 | GE 1275 | GE 1285 | GE 1295 | GE 1305 | GE 1315 | GE 1325 | GE 1335 | GE 1345 | GE 1355 | GE 1365 | GE 1375 | GE 1385 | GE 1395 | GE 1405 | GE 1415 | GE 1425 | GE 1435 | GE 1445 | GE 1455 | GE 1465 | GE 1475 | GE 1485 | GE 1495 | GE 1505 | GE 1515 | GE 1525 | GE 1535 | GE 1545 | GE 1555 | GE 1565 | GE 1575 | GE 1585 | GE 1595 | GE 1605 | GE 1615 | GE 1625 | GE 1635 | GE 1645 | GE 1655 | GE 1665 | GE 1675 | GE 1685 | GE 1695 | GE 1705 | GE 1715 | GE 1725 | GE 1735 | GE 1745 | GE 1755 | GE 1765 | GE 1775 | GE 1785 | GE 1795 | GE 1805 | GE 1815 | GE 1825 | GE 1835 | GE 1845 | GE 1855 | GE 1865 | GE 1875 | GE 1885 | GE 1895 | GE 1905 | GE 1915 | GE 1925 | GE 1935 | GE 1945 | GE 1955 | GE 1965 | GE 1975 | GE 1985 | GE 1995 | GE 2005 | GE 2015 | GE 2025 | GE 2035 | GE 2045 | GE 2055 | GE 2065 | GE 2075 | GE 2085 | GE 2095 | GE 2105 | GE 2115 | GE 2125 | GE 2135 | GE 2145 | GE 2155 | GE 2165 | GE 2175 | GE 2185 | GE 2195 | GE 2205 | GE 2215 | GE 2225 | GE 2235 | GE 2245 | GE 2255 | GE 2265 | GE 2275 | GE 2285 | GE 2295 | GE 2305 | GE 2315 | GE 2325 | GE 2335 | GE 2345 | GE 2355 | GE 2365 | GE 2375 | GE 2385 | GE 2395 | GE 2405 | GE 2415 | GE 2425 | GE 2435 | GE 2445 | GE 2455 | GE 2465 | GE 2475 | GE 2485 | GE 2495 | GE 2505 | GE 2515 | GE 2525 | GE 2535 | GE 2545 | GE 2555 | GE 2565 | GE 2575 | GE 2585 | GE 2595 | GE 2605 | GE 2615 | GE 2625 | GE 2635 | GE 2645 | GE 2655 | GE 2665 | GE 2675 | GE 2685 | GE 2695 | GE 2705 | GE 2715 | GE 2725 | GE 2735 | GE 2745 | GE 2755 | GE 2765 | GE 2775 | GE 2785 | GE 2795 | GE 2805 | GE 2815 | GE 2825 | GE 2835 | GE 2845 | GE 2855 | GE 2865 | GE 2875 | GE 2885 | GE 2895 | GE 2905 | GE 2915 | GE 2925 | GE 2935 | GE 2945 | GE 2955 | GE 2965 | GE 2975 | GE 2985 | GE 2995 | GE 3005 | GE 3015 | GE 3025 | GE 3035 | GE 3045 | GE 3055 | GE 3065 | GE 3075 | GE 3085 | GE 3095 | GE 3105 | GE 3115 | GE 3125 | GE 3135 | GE 3145 | GE 3155 | GE 3165 | GE 3175 | GE 3185 | GE 3195 | GE 3205 | GE 3215 | GE 3225 | GE 3235 | GE 3245 | GE 3255 | GE 3265 | GE 3275 | GE 3285 | GE 3295 | GE 3305 | GE 3315 | GE 3325 | GE 3335 | GE 3345 | GE 3355 | GE 3365 | GE 3375 | GE 3385 | GE 3395 | GE 3405 | GE 3415 | GE 3425 | GE 3435 | GE 3445 | GE 3455 | GE 3465 | GE 3475 | GE 3485 | GE 3495 | GE 3505 | GE 3515 | GE 3525 | GE 3535 | GE 3545 | GE 3555 | GE 3565 | GE 3575 | GE 3585 | GE 3595 | GE 3605 | GE 3615 | GE 3625 | GE 3635 | GE 3645 | GE 3655 | GE 3665 | GE 3675 | GE 3685 | GE 3695 | GE 3705 | GE 3715 | GE 3725 | GE 3735 | GE 3745 | GE |
|-------|-------|-----|--|-------|-------|-------|-------|-----|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----|

- 2212

ALL HOURS

| | | | | | |
|------|-----|------|------|------|------|
| 6735 | 785 | GE15 | GE25 | GE35 | GR5 |
| 4242 | | .6 | .0 | | 6786 |
| 6752 | | 1.5 | .2 | | 7533 |

OPERATING LOCATION: MAW
 JSAROTAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHRS
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
 LST TO UTC: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 1H

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | 0.15 | 0.25 | 0.35 | 1.5 | 0.15 | 0.25 | 0.35 | 1.5 |
| CATEGORY A | 1.7 | | | 930 | 1.7 | | | 930 |
| CATEGORY B | 1.7 | 1.5 | 1.1 | 954 | 1.7 | 1.5 | 1.1 | 954 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | 0.15 | 0.25 | 0.35 | 1.5 | 0.15 | 0.25 | 0.35 | 1.5 |
| CATEGORY A | 2.4 | | | 930 | 2.4 | | | 930 |
| CATEGORY B | 1.5 | 1.5 | | 952 | 7.5 | 1.5 | | 974 |

| TIME (LST) | 1800 - 2000 | | | |
|-------------|-------------|------|------|------|
| SPEED (KTS) | 0.15 | 0.25 | 0.35 | 1.5 |
| CATEGORY A | 2.1 | | | 4550 |
| CATEGORY B | 5.7 | 1.5 | | 4555 |

AGENCY OF OCCURRENCE OF CROSSINGS AND HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

PERIOD OF RECORD: MAR 79 - FEB 89
 MONTH: MAR

WIND OR VISIBILITY (HOURLY OBS ONLY)

WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| 0000 - 0900 | | | | | 0900 - 1100 | | | | | |
|-------------|------|-----|------|------|-------------|-----|------|------|------|-----|
| 0000 | 0635 | 015 | GE15 | GE25 | GE35 | 085 | GE15 | GE25 | GE35 | OBS |
| | | 930 | | | | | | | | 930 |
| | | 930 | 1.1 | | | 930 | 2.2 | | | |
| | | 930 | | | | 475 | 5.4 | .2 | | 940 |
| | | 930 | 3.7 | | | | | | | |

| 1300 - 1700 | | | | | 1900 - 2000 | | | | | 2100 - 2300 | | | | |
|-------------|------|-----|------|------|-------------|-----|------|------|------|-------------|--|--|--|--|
| 0125 | 0635 | 035 | GE15 | GE25 | GE35 | 015 | GE15 | GE25 | GE35 | 085 | | | | |
| | | 930 | 1.1 | | | 930 | .8 | | | 930 | | | | |
| | | 974 | 3.4 | .2 | | 964 | 3.9 | .3 | | 973 | | | | |

| ALL HOURS | | | | | | |
|-----------|------|------|------|------|------|------|
| 0000 | 0635 | 015 | GE25 | GE35 | 015 | |
| | | 4650 | 1.8 | | 7440 | |
| | | 4650 | 5.0 | .5 | .0 | 7757 |

OPERATING LOCATION NAME
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF OBSERVED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723640 STATION NAME: TINKER AFB OK
LST TO UTC: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (HOURS)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR

| TIME (LST) | 0000 - 0200 | | | | | 0300 - 0500 | | | | |
|-------------|-------------|------|------|-----|------|-------------|------|-----|------|--|
| SPEED (KTS) | 0-14 | 0525 | 0535 | 055 | 0515 | 0525 | 0535 | 055 | 0515 | |
| CATEGORY A | .1 | | | .00 | .2 | | | .00 | .2 | |
| CATEGORY B | .1 | | | .00 | 2.2 | | | .00 | .2 | |

| TIME (LST) | 1000 - 1400 | | | | | 1500 - 1900 | | | | |
|-------------|-------------|------|------|-----|------|-------------|------|-----|------|--|
| SPEED (KTS) | 0-14 | 0-25 | 0535 | 055 | 0515 | 0525 | 0535 | 055 | 0515 | |
| CATEGORY A | 1.0 | .4 | | .00 | 2.2 | .4 | | .00 | .4 | |
| CATEGORY B | 5.0 | .7 | .4 | .00 | 4.4 | .7 | .4 | .00 | 1.0 | |

| TIME (LST) | 0600 - 0900 | | | | |
|-------------|-------------|------|------|-----|------|
| SPEED (KTS) | 0515 | 0525 | 0535 | 055 | 0515 |
| CATEGORY A | 1.3 | .2 | | .00 | .2 |
| CATEGORY B | 3.2 | .4 | .2 | .00 | .2 |

AGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

DATA APR 88

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: APR

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0400

0600 - 0800

0900 - 1100

| GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| .2 | | | 900 | .7 | | | 900 | 1.1 | | | 900 |
| .2 | | | 942 | 2.3 | | | 941 | 3.6 | .1 | | 933 |

1500 - 1700

1800 - 2000

2100 - 2300

| GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| 2.2 | .4 | | 900 | .4 | | | 900 | .3 | .1 | | 900 |
| 4.5 | .7 | .4 | 958 | 1.4 | .3 | | 920 | 1.6 | .3 | .1 | 926 |

0000 - 0100

ALL HOURS

| GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
|------|------|------|------|------|------|------|
| .2 | | 4500 | .2 | .1 | | 7200 |
| .4 | .1 | 4675 | 3.1 | .2 | .1 | 7470 |

OPERATING LOCATION: "AM"
USAF/AFAC, ANNEVILLE, MO

PERCENTAGE FREQUENCY OF OCCURRENCE OF CHANGES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72354

STATION NAME: TINKER AFB, MO
EST. TO UTC: + 6

.....

CATEGORY A: ANY CHANGES IN VISIBILITY (MILES)

CATEGORY B: HIGHEST WINDS - REPORTED AT 100 FT

.....

| TIME (EST) | 0600 - 1200 | | | | 1300 - 1800 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|------|
| SPEED (KTS) | 0.1 | 0.15 | 0.35 | 0.5 | 0.15 | 0.25 | 0.35 | 0.15 |
| CATEGORY A | .1 | | | .33 | .2 | | | .1 |
| CATEGORY B | . | | | .75 | .3 | .2 | | .2 |

.....

| TIME (EST) | 1200 - 1600 | | | | 1600 - 1700 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|------|
| SPEED (KTS) | 0.15 | 0.25 | 0.35 | 0.5 | 0.15 | 0.25 | 0.35 | 0.15 |
| CATEGORY A | 1.1 | | | .33 | .2 | | | .1 |
| CATEGORY B | 1.3 | .2 | | .75 | 2.1 | .5 | | . |

.....

| TIME (EST) | 1600 - 2000 | | | |
|-------------|-------------|------|------|------|
| SPEED (KTS) | 0.15 | 0.25 | 0.35 | 0.5 |
| CATEGORY A | .6 | | | .1 |
| CATEGORY B | 1.7 | .5 | .2 | 4.17 |

FREQUENCY OF OCCURRENCE OF CROSSINGS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: MAY

DETAILS OF VISIBILITY (HOURLY OBS ONLY)

WIND SPEEDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| 0300 - 0400 | | | | 0500 - 0600 | | | | 0900 - 1100 | | | |
|-------------|------|------|-----|-------------|------|------|------|-------------|------|------|------|
| 15 | 0425 | 0.35 | 085 | 0515 | 0525 | 0535 | 085 | 0915 | 0925 | 0935 | 085 |
| .2 | | | 930 | .1 | | | 930 | 1.0 | | | 930 |
| .1 | .1 | | 970 | .0 | .1 | | 1002 | 2.1 | .3 | .1 | 1000 |

| 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| 15 | 1625 | 0.35 | 085 | 0515 | 0525 | 0535 | 085 | 0915 | 0925 | 0935 | 085 |
| .4 | | | 930 | .1 | | | 930 | .3 | | | 930 |
| .1 | .5 | | 980 | .3 | | | 953 | 1.7 | .4 | .1 | 973 |

| 2400 - 2500 | | | | ALL 4200'S | | | |
|-------------|------|------|-----|------------|------|------|------|
| 25 | 0535 | | 085 | 0515 | 0525 | 0535 | 085 |
| | | 4550 | | .9 | | | 7440 |
| .3 | .0 | 6917 | | 1.4 | .3 | .0 | 7564 |

OPERATING LOCATION: WAW
 ISATION: AFWILL 10

PERCENTAGE FREQUENCY OF OCCURRENCE OF
 DATA: JULY 1967 - 1971

STATION: 101: 70040 STATION NAME: FINKLE AFB
 EST. PHOTO: + 5

.....
 CAT. 101: ANY OTHERS IN VICINITY (01)
 CATEGORY 1: HIGHEST 10% OF OTHERS (01)

| TIME (EST) | 101 - 100 | 101 - 100 | 101 - 100 | 101 - 100 | 101 - 100 |
|------------|-----------|-----------|-----------|-----------|-----------|
| 101 (EST) | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| CAT. 101 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| CAT. 101 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |

.....
 TIME (EST) 101 - 100 101 - 100
 101 (EST) 1.1 1.1 1.1 1.1 1.1
 CAT. 101 1.1 1.1 1.1 1.1 1.1
 CAT. 101 1.1 1.1 1.1 1.1 1.1

.....
 TIME (EST) 101 - 100
 101 (EST) 1.1 1.1 1.1 1.1
 CAT. 101 1.1 1.1 1.1 1.1
 CAT. 101 1.1 1.1 1.1 1.1

1. FREQUENCY OF OCCURRENCE OF CROSSINGS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

2. APPROX

PERIOD OF RECORD: MAR 79 - FEB 80
MONTH: JUN

ANY OTHER VISIBILITY (HOURLY OBS ONLY)

WEATHER REPORTED WITHIN THE HOUR (HOURS + SPECIALS)

0000 - 0100

0600 - 0700

0900 - 1100

| 0115 | 0125 | 0135 | 0145 | 0615 | 0625 | 0635 | 0645 | 0915 | 0925 | 0935 | 0945 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| .1 | | | 000 | .2 | | | 000 | .4 | | | 000 |
| .2 | .1 | | 04 | .3 | .1 | | 043 | 2.5 | | | 024 |

1400 - 1700

1800 - 2000

2100 - 2300

| 0115 | 0125 | 0135 | 0145 | 0615 | 0625 | 0635 | 0645 | 0915 | 0925 | 0935 | 0945 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| .2 | | | 000 | .1 | | | 000 | | | | 000 |
| 1.2 | .1 | | 034 | .3 | .1 | | 001 | .0 | .0 | | 021 |

0000 - 2300

ALL HOURS

| 0115 | 0125 | 0135 | 0145 | 0615 | 0625 | 0635 | 0645 |
|------|------|------|------|------|------|------|------|
| | | 4303 | | .2 | | | 7203 |
| .1 | | 4557 | | 1.2 | .1 | .0 | 7470 |

OPERATING LOCATION: "A"
 USAF TAC, 150 MILL. AC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUDS
 FROM CLOUDY OBSERVATIONS

STATION NUMBER: 725000

STATION NAME: TINKER AFB OK
 EST. DATE: 1964

CATEGORY 4: ANY CEILING OR VISIBILITY (CLOUDY)

CATEGORY 3: HIGHEST WINDS REPORTED WITHIN THE

| TIME (LST) | 1200 - 1230 | 1300 - 1330 | 1400 - 1430 | 1500 - 1530 | 1600 - 1630 | 1700 - 1730 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SP. (LST) | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 |
| CATEGORY 4 | 440 | | | | 937 | 1 |
| CATEGORY 3 | | 447 | 1.4 | | 991 | 1.5 |

| TIME (LST) | 1200 - 1230 | 1300 - 1330 | 1400 - 1430 | 1500 - 1530 | 1600 - 1630 | 1700 - 1730 |
|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SP. (LST) | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 |
| CATEGORY 4 | 1.1 | 930 | | | 1.3 | |
| CATEGORY 3 | 1.1 | 945 | 1.4 | | 941 | 1.7 |

| TIME (LST) | 1800 - 1830 | 1900 - 1930 | 2000 - 2030 | 2100 - 2130 | 2200 - 2230 |
|------------|-------------|-------------|-------------|-------------|-------------|
| SP. (LST) | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 |
| CATEGORY 4 | 1.1 | | 460 | | 1 |
| CATEGORY 3 | 1.1 | 1.1 | 9791 | | |

STAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

TIKRY AFB OK

PERIOD OF RECORD: MAR 72 - FEB 89
MONTH: JUL

.....
: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

0300 - 0400

0500 - 0600

0900 - 1100

| 0015 | 0025 | 0035 | 00S | 0015 | 0025 | 0035 | 00S | 0015 | 0025 | 0035 | 00S |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| | | | 930 | .1 | | | 930 | .3 | | | 930 |
| .3 | | | 955 | .5 | .1 | | 978 | 1.3 | | | 945 |

1500 - 1700

1800 - 2000

2100 - 2300

| 0015 | 0025 | 0035 | 00S | 0015 | 0025 | 0035 | 00S | 0015 | 0025 | 0035 | 00S |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| | | | 930 | | | | 930 | | | | 930 |
| .4 | | | 943 | .2 | | | 946 | .2 | .1 | | 943 |

0500 - 2000

ALL GROUPS

| 0015 | 0025 | 0035 | 00S | 0015 | 0025 | 0035 | 00S |
|------|------|------|------|------|------|------|------|
| .1 | | | 4650 | .1 | | | 7440 |
| .0 | | | 4751 | .5 | .0 | | 7607 |

OPERATING LOCATION "A"
USAFB TAC, ARBAMVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 703540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15 | GE25 | GE35 | MS | GE15 | GE25 | GE35 | MS |
| CATEGORY A | | | | 930 | | | | 930 |
| CATEGORY B | .2 | | | 940 | .2 | | | 950 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15 | GE25 | GE35 | MS | GE15 | GE25 | GE35 | MS |
| CATEGORY A | .1 | | | 930 | .2 | | | 930 |
| CATEGORY B | 2.3 | | | 940 | 1.7 | .3 | .1 | 970 |

| TIME (LST) | 0600 - 2000 | | | |
|-------------|-------------|------|------|------|
| SPEED (KTS) | GE15 | GE25 | GE35 | MS |
| CATEGORY A | .1 | | | 950 |
| CATEGORY B | 1.4 | .1 | .0 | 4700 |

TAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

INARS AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: AUG

.....

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)
HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)
.....

| 0600 - 0659 | | | | 0600 - 0859 | | | | 0900 - 1159 | | | |
|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| GE15 | GE25 | GE35 | WAS | GE15 | GE25 | GE35 | WAS | GE15 | GE25 | GE35 | WAS |
| | | | 930 | | | | 930 | .2 | | | 930 |
| .2 | | | 960 | .5 | | | 963 | 1.3 | | | 948 |

.....

| 1600 - 1759 | | | | 1800 - 2059 | | | | 2100 - 2359 | | | |
|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| GE15 | GE25 | GE35 | WAS | GE15 | GE25 | GE35 | WAS | GE15 | GE25 | GE35 | WAS |
| .2 | | | 930 | | | | 930 | .1 | | | 930 |
| 1.7 | .3 | .1 | 976 | .5 | | | 947 | .5 | .2 | | 957 |

.....

| 0600 - 2059 | | | | ALL HOURS | | | |
|-------------|------|------|--|-----------|------|------|------|
| GE25 | GE35 | WAS | | GE15 | GE25 | GE35 | WAS |
| | | 4550 | | .1 | | | 7440 |
| .1 | .0 | 4732 | | 1.0 | .1 | .0 | 7655 |

OPERATING LOCATION: "A"
USAFETAC, ASHVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540 STATION NAME: TINKER AFB OK
LST TO UTC: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15 | GE25 | GE35 | GR5 | GE15 | GE25 | GE35 | GR5 |
| CATEGORY A | | | | 900 | .1 | | | 900 |
| CATEGORY B | .1 | | | 936 | .7 | .3 | .2 | 950 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE15 | GE25 | GE35 | GR5 | GE15 | GE25 | GE35 | GR5 |
| CATEGORY A | .1 | | | 900 | .2 | | | 900 |
| CATEGORY B | 1.7 | | | 930 | 1.5 | .3 | | 950 |

| TIME (LST) | 1800 - 2000 | | | |
|-------------|-------------|------|------|------|
| SPEED (KTS) | GE15 | GE25 | GE35 | GR5 |
| CATEGORY A | .3 | | | 4500 |
| CATEGORY B | 1.7 | .1 | | 4700 |

OF FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

KCP AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: SEP

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0600 - 0800

0800 - 0900

0900 - 1100

| GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| .1 | | | 900 | | | | 900 | .3 | | | 900 |
| .7 | .3 | .2 | 950 | .5 | | | 957 | 2.5 | | | 958 |

1600 - 1700

1800 - 2000

2100 - 2300

| GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| .2 | | | 900 | .3 | | | 900 | .1 | | | 900 |
| 1.2 | .3 | | 950 | 1.3 | .2 | | 933 | .4 | .2 | .1 | 936 |

2500 - 2600

ALL HOURS

| GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
|------|------|------|------|------|------|------|
| | | 4500 | .2 | | | 7200 |
| .1 | | 4790 | 1.3 | .1 | .0 | 7573 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWIND
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR

| TIME (LST) | 0000 - 0200 | | | | | 0300 - 0500 | | | | |
|-------------|-------------|------|------|-----|------|-------------|------|-----|------|--|
| SPEED (KTS) | GE15 | GE25 | GE35 | ONS | GE15 | GE25 | GE35 | ONS | GE15 | |
| CATEGORY A | | | | 930 | .3 | | | 930 | .3 | |
| CATEGORY B | .7 | | | 936 | .9 | .1 | | 936 | .9 | |

| TIME (LST) | 1200 - 1400 | | | | | 1500 - 1700 | | | | |
|-------------|-------------|------|------|-----|------|-------------|------|-----|------|--|
| SPEED (KTS) | GE15 | GE25 | GE35 | ONS | GE15 | GE25 | GE35 | ONS | GE15 | |
| CATEGORY A | 1.3 | .1 | | 930 | 1.1 | .2 | | 930 | | |
| CATEGORY B | 2.7 | 1.0 | .2 | 974 | 2.3 | .5 | | 990 | .4 | |

| TIME (LST) | 0600 - 2000 | | | | |
|------------|-------------|------|------|------|------|
| SPEED KTS | GE15 | GE25 | GE35 | ONS | GE15 |
| CATEGORY A | .3 | .1 | | 4650 | .3 |
| CATEGORY B | 1.7 | .4 | .0 | 4940 | 1.3 |

FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

AREA 36

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: OCT

CEILING OR VISIBILITY (HOURLY OBS ONLY)

WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| 0300 - 0600 | | | | 0600 - 0900 | | | | 0900 - 1100 | | | |
|-------------|------|-----|--|-------------|------|------|------|-------------|------|------|-----|
| GE25 | GE35 | OBS | | GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
| | | 930 | | .3 | | | 930 | .9 | | | 930 |
| .1 | | 990 | | .8 | | | 1017 | 2.1 | .3 | | 991 |

| 1300 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|------|-----|--|-------------|------|------|-----|-------------|------|------|-----|
| GE25 | GE35 | OBS | | GE15 | GE25 | GE35 | OBS | GE15 | GE25 | GE35 | OBS |
| .2 | | 930 | | | | | 930 | | | | 930 |
| .5 | | 990 | | .4 | | | 954 | .2 | | | 957 |

| - 2000 | | | | ALL HOURS | | | |
|--------|------|--|--|-----------|------|------|------|
| GE35 | OBS | | | GE15 | GE25 | GE35 | OBS |
| | 4650 | | | .6 | .0 | | 7440 |
| .0 | 4940 | | | 1.3 | .2 | .0 | 7891 |

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CRSSC
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB TX
LST TO UTC: + 5

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE

.....

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | |
|-------------|-------------|-------|-------|-------|-------------|-------|-------|-------|
| SPEED (KTS) | 0-15 | 16-25 | 26-35 | 36-45 | 0-15 | 16-25 | 26-35 | 36-45 |
| CATEGORY A | .4 | | | 900 | .5 | | | 900 |
| CATEGORY B | 1.0 | .1 | | 945 | 1.4 | .1 | | 945 |

.....

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | |
|-------------|-------------|-------|-------|-------|-------------|-------|-------|-------|
| SPEED (KTS) | 0-15 | 16-25 | 26-35 | 36-45 | 0-15 | 16-25 | 26-35 | 36-45 |
| CATEGORY A | 1.2 | | | 900 | 1.1 | .3 | | 900 |
| CATEGORY B | 3.0 | .5 | .1 | 949 | 3.4 | . | .4 | 949 |

.....

| TIME (LST) | 0500 - 2000 | | | |
|-------------|-------------|-------|-------|-------|
| SPEED (KTS) | 0-15 | 16-25 | 26-35 | 36-45 |
| CATEGORY A | .2 | .1 | | 4600 |
| CATEGORY B | 2.5 | .5 | .1 | 47-7 |

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

TIKER APP BK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: NOV

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

| GE15 | GE25 | GE35 | WGS | GE15 | GE25 | GE35 | WGS | GE15 | GE25 | GE35 | WGS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| .0 | | | 900 | | | | 900 | .0 | | | 900 |
| 1.4 | .1 | | 950 | 1.0 | | | 989 | 3.1 | .3 | .2 | 963 |

1500 - 1700

1800 - 2000

2100 - 2300

| GE15 | GE25 | GE35 | WGS | GE15 | GE25 | GE35 | WGS | GE15 | GE25 | GE35 | WGS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| 1.1 | .3 | | 900 | .3 | | | 900 | .7 | .1 | | 900 |
| 3.4 | .1 | .4 | 954 | 1.5 | .4 | | 932 | 1.4 | .2 | | 950 |

0500 - 2000

ALL HOURS

| GE15 | GE25 | GE35 | WGS | GE15 | GE25 | GE35 | WGS |
|------|------|------|------|------|------|------|------|
| .3 | .1 | | 4500 | .3 | .1 | | 7200 |
| 2.1 | .5 | .1 | 4737 | 2.1 | .4 | .1 | 7541 |

OPERATING LOCATION "A"
USAFETAG, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRING OF CLOUDS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72443 STATION NAME: FINKER AFB NC
LST TIME: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN 10

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | 0015 | 0025 | 0035 | 0045 | 0015 | 0025 | 0035 | 0045 |
| CATEGORY A | .2 | | | .3 | .2 | | | .3 |
| CATEGORY B | 1.2 | | | .3 | .2 | | | .3 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | |
|-------------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | 0015 | 0025 | 0035 | 0045 | 0015 | 0025 | 0035 | 0045 |
| CATEGORY A | .2 | | | .3 | .2 | | | .3 |
| CATEGORY B | 1.2 | .1 | | .3 | 1.0 | .1 | | .3 |

| TIME (LST) | 0600 - 0800 | | | |
|-------------|-------------|------|------|------|
| SPEED (KTS) | 0015 | 0025 | 0035 | 0045 |
| CATEGORY A | .3 | | | .3 |
| CATEGORY B | 1.4 | .0 | | .3 |

TAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

LINKER AFB OK

PERIOD OF RECORD: MAR 79 - FEB 89
MONTH: DEC

ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500

0600 - 0800

0900 - 1100

| GE15 | GE25 | GE35 | PRS | GE15 | GE25 | GE35 | PRS | GE15 | GE25 | GE35 | PRS |
|------|------|------|-----|------|------|------|------|------|------|------|------|
| .2 | | | 930 | | | | 930 | .1 | | | 930 |
| .5 | | | 944 | .7 | | | 1020 | 1.8 | | | 1021 |

1500 - 1700

1800 - 2000

2100 - 2300

| GE15 | GE25 | GE35 | PRS | GE15 | GE25 | GE35 | PRS | GE15 | GE25 | GE35 | PRS |
|------|------|------|-----|------|------|------|-----|------|------|------|-----|
| .8 | | | 930 | | | | 930 | .3 | | | 930 |
| 1.5 | .1 | | 934 | .1 | | | 970 | .9 | | | 980 |

2500 - 2700

ALL HOURS

| GE25 | GE35 | PRS | GE15 | GE25 | GE35 | PRS |
|------|------|------|------|------|------|------|
| .3 | | 4550 | .3 | | | 7440 |
| .4 | .0 | 4979 | 1.2 | .0 | | 7760 |

OPERATING LOCATION: WAM
USAFSTAC, 434 WILLIAMS

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLOUDS
FROM DAILY OBSERVATIONS

STATION NUMBER: 723549

STATION NAME: TINKER AFB, MO
LST TO UTC: + 6

CATEGORY A: ANY CEILING OR VISIBILITY (DAILY)

CATEGORY B: HIGHEST WINDS REPORTED DURING THE

| TIME (LST) | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| PERCENT (CAT) | 0.16 | 0.20 | 0.15 | 0.15 | 0.10 | 0.02 | 0.35 | 0.13 | 0.13 | 0.10 | 0.10 | 0.10 |
| CATEGORY A | 0 | 0 | 0 | 10000 | 0.3 | 0 | 10000 | 0.3 | 0 | 0 | 0 | 0 |
| CATEGORY B | 0.0 | 0.1 | 0 | 11900 | 1.1 | 0.1 | 0.1 | 11700 | 1.0 | 0 | 0 | 0 |

| TIME (LST) | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| PERCENT (CAT) | 0 | 0.20 | 0.15 | 0.15 | 0.10 | 0.02 | 0.35 | 0.13 | 0.13 | 0.10 | 0.10 | 0.10 |
| CATEGORY A | 0.0 | 0 | 0 | 11000 | 1.0 | 0.1 | 0 | 10000 | 0.3 | 0 | 0 | 0 |
| CATEGORY B | 0.0 | 0.4 | 0.1 | 11800 | 0.3 | 0.0 | 0.1 | 11800 | 1.0 | 0 | 0 | 0 |

| TIME (LST) | 0000 - 0200 | 0200 - 0400 | 0400 - 0600 | 0600 - 0800 | 0800 - 1000 | 1000 - 1200 | 1200 - 1400 | 1400 - 1600 | 1600 - 1800 | 1800 - 2000 | 2000 - 2200 | 2200 - 2400 |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| PERCENT (CAT) | 0.15 | 0.20 | 0.15 | 0.15 | 0.10 | 0.02 | 0.35 | 0.13 | 0.13 | 0.10 | 0.10 | 0.10 |
| CATEGORY A | 0.7 | 0.0 | 0 | 04000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CATEGORY B | 0.1 | 0.0 | 0 | 07000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

STAGE FREQUENCY OF OCCURRENCE OF CROSSINGS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 173-353

STATION: AFB OK

PERIOD OF RECORD: MAR 73 - FEB 89
DUTY: ALL

ANY CHILING OF VISIBILITY (HOURLY OBS ONLY)

HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0500 - 0600

0600 - 0700

0700 - 1100

| 0515 | 0625 | 0635 | 085 | 0515 | 0625 | 0635 | 085 | 0515 | 0625 | 0635 | 085 |
|------|------|------|-------|------|------|------|-------|------|------|------|-------|
| .3 | | | 10959 | .3 | .0 | | 10959 | .3 | | | 10959 |
| 1.1 | .1 | .0 | 11509 | 1.0 | .0 | | 11700 | 2.2 | .2 | .0 | 11558 |

1700 - 1700

1700 - 2000

2100 - 2300

| 0515 | 0625 | 0635 | 085 | 0515 | 0625 | 0635 | 085 | 0515 | 0625 | 0635 | 085 |
|------|------|------|-------|------|------|------|-------|------|------|------|-------|
| 1.0 | .1 | | 10959 | .3 | | | 10959 | .2 | .0 | | 10958 |
| 2.0 | .4 | .1 | 11529 | 1.0 | .1 | | 11355 | 1.1 | .2 | .0 | 11423 |

0500 - 2000

ALL HOURS

| 0525 | 0635 | 085 | 0515 | 0625 | 0635 | 085 |
|------|------|-------|------|------|------|-------|
| .0 | | 86954 | .5 | .0 | | 37729 |
| .0 | .0 | 57952 | 1.7 | .2 | .0 | 92341 |

| | | | | |
|----|----------|----------|----------|----|
| 01 | RRRRRRRR | TTTTTTTT | RR | RR |
| 02 | RRRRRRRR | TTTTTTTT | RR | RR |
| 03 | RR | TT | RR | RR |
| 04 | RR | TT | RR | RR |
| 05 | RRRRRRRR | TT | RRRRRRRR | RR |
| 06 | RRRRRRRR | TT | RRRRRRRR | RR |
| 07 | RR | TT | RR | RR |
| 08 | RR | TT | RR | RR |
| 09 | RR | TT | RR | RR |
| 10 | RR | TT | RR | RR |

PART 4

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE) THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR ARE

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS (AS D, M, A, S PER (IF AVAILABLE)). THE 30-YEAR DDD PROVIDES AVERAGE CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, BUT OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS

MONTHS WITH NO AVAILABLE DATA ARE LISTED WITH A VALUE OF IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO EACH DAY WHEN DAY TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE WERE THAT DAY IS SAID TO HAVE 3 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO EACH DAY WHEN TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE WERE DEGREES, THAT DAY IS SAID TO HAVE 3 COOLING DEGREE DAYS.

30 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONAL "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS

PART H

DEGREE DAY SUMMARIES

ON HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE
DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

WITH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980)
PERIOD. THE 30-YEAR PER PROVIDES AWS USERS WITH A SUMMARY
OF OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE
OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR PER WILL
BE 1951-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

IF NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS
TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT
WAS CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

"HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE
TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES*
F. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 57 DEGREES,
THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

Cooling DEGREE DAYS.

"COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE
TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES*
F. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73
DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*THE TEMPERATURE HAS BEEN SELECTED AS THE NATIONWIDE STANDARD
"BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR
COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE
SUMMARIES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

OPERATING LOCATION "A"
USAFSTAC, ARMYVILLE MO

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 723642

STATION NAME: TINKER AFB OK
LST TO UTC: + 6

| YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|-------|------|-----|------|-----|-----|-----|-----|-----|
| 1943 | 122 | 405 | 541 | 55 | 10 | | | |
| 1944 | 715 | 553 | 522 | 204 | 46 | | | |
| 1945 | 75 | 467 | **** | 215 | 40 | | | |
| 1946 | 772 | 103 | | | | | | |
| 1947 | 744 | 740 | 371 | 193 | 41 | 1 | | |
| 1948 | 730 | 743 | 610 | 52 | 33 | | | |
| 1949 | 1045 | 570 | 432 | 122 | 2 | | | |
| 1950 | 761 | 505 | 463 | 200 | 33 | 1 | | |
| 1951 | 758 | 505 | 404 | 238 | 23 | 5 | 2 | |
| 1952 | 500 | 424 | 457 | 213 | 25 | | | |
| 1953 | 627 | 531 | 277 | 290 | 75 | | 4 | |
| 1954 | 735 | 329 | 450 | 65 | 101 | 1 | | |
| 1955 | 760 | 535 | 447 | 70 | 1 | 5 | | |
| 1956 | 111 | 544 | 401 | 190 | 13 | | | |
| 1957 | 415 | 454 | 470 | 225 | 35 | 5 | | |
| 1958 | 720 | 775 | 575 | 212 | 15 | | | |
| 1959 | 940 | 651 | 425 | 215 | 15 | | | |
| 1960 | 831 | 544 | 730 | 109 | 64 | | | |
| 1961 | 175 | 503 | 381 | 195 | 24 | | | |
| 1962 | 172 | 515 | 532 | 236 | 7 | | | |
| 1963 | 1105 | 570 | 353 | 96 | 50 | | | |
| 1964 | 753 | 742 | 558 | 110 | 31 | 5 | | |
| 1965 | 765 | 553 | 733 | 75 | 2 | | | |
| 1966 | 272 | 720 | 364 | 224 | 70 | 1 | | 3 |
| 1967 | 733 | 593 | 311 | 90 | 101 | 3 | | |
| 1968 | 452 | 414 | 440 | 152 | 55 | | | |

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

PERIOD OF RECORD: JAN 43 - FEB 89

| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| | | | | | | | | 1 | 104 | 401 | 831 | 3350 |
| | | | | | | | | 9 | 53 | 372 | 835 | 3355 |
| | | | | | | | | 37 | 109 | 346 | **** | 2205 |
| | | | | | | | | 15 | 63 | 405 | 557 | 1945 |
| | | | | | | | | | 35 | **** | 676 | 3051 |
| | | | | | | | | 6 | 83 | 459 | 647 | 3615 |
| | | | | | | | | 25 | 145 | 272 | 570 | 3454 |
| | | | | | | | 2 | 1 | 23 | 498 | 756 | 3283 |
| | | | | | | | | 15 | 141 | 506 | 698 | 3596 |
| | | | | | | | | 4 | 149 | 455 | 745 | 3165 |
| | | | | | | | | | 101 | 407 | 733 | 3013 |
| | | | | | | | | | 113 | 306 | 640 | 2429 |
| | | | | | | | | 1 | 83 | 517 | 769 | 3259 |
| | | | | | | | | | 39 | 463 | 635 | 3195 |
| | | | | | | | | | 203 | 502 | 553 | 3371 |
| | | | | | | | | 12 | 127 | 344 | 622 | 3712 |
| | | | | | | | | 15 | 170 | 590 | 572 | 3609 |
| | | | | | | | | 1 | 82 | 332 | 643 | 3931 |
| | | | | | | | | 34 | 96 | 531 | 840 | 3579 |
| | | | | | | | | 15 | 118 | 442 | 737 | 3574 |
| | | | | | | | | 5 | 13 | 372 | 962 | 3652 |
| | | | | | | | | 14 | 125 | 391 | 770 | 3517 |
| | | | | | | | | 26 | 125 | 224 | 515 | 3129 |
| | | | | | | | 3 | 14 | 169 | 341 | 844 | 3731 |
| | | | | | | | | 34 | 169 | 488 | 769 | 3396 |
| | | | | | | | | | 141 | 526 | 803 | 3808 |

| | | | | | | |
|------|------|-----|-----|-----|----|----|
| 1969 | 506 | 519 | 635 | 139 | 34 | 4 |
| 1970 | 1010 | 610 | 597 | 161 | 27 | 15 |

| | | | | | | |
|------|-----|-----|-----|-----|----|---|
| 1973 | 974 | 700 | 387 | 296 | 52 | 1 |
| 1974 | 915 | 517 | 293 | 157 | 16 | |
| 1975 | 723 | 720 | 523 | 194 | 13 | |

| | | | | | | |
|------|------|-----|-----|-----|-----|--|
| 1976 | 105 | 392 | 424 | 150 | 123 | |
| 1977 | 920 | 462 | 300 | 85 | 1 | |
| 1978 | 1141 | 983 | 543 | 92 | 62 | |
| 1979 | 1135 | 343 | 361 | 171 | 57 | |
| 1980 | 743 | 593 | 479 | 177 | 21 | |

| | | | | | | |
|------|-----|-----|-----|-----|----|---|
| 1981 | 715 | 529 | 343 | 52 | 63 | |
| 1982 | 902 | 746 | 339 | 267 | 25 | 2 |
| 1983 | 771 | 564 | 448 | 239 | 60 | 2 |
| 1984 | 920 | 582 | 507 | 222 | 33 | |
| 1985 | 134 | 743 | 331 | 75 | 4 | |

| | | | | | | |
|------|-----|-----|-----|-----|----|--|
| 1986 | 557 | 573 | 325 | 145 | 30 | |
| 1987 | 100 | 512 | 447 | 142 | 2 | |
| 1988 | 731 | 535 | 432 | 170 | 12 | |
| 1989 | 570 | 781 | | | | |

| | | | | | | |
|------|-----|-----|-----|-----|----|---|
| 1990 | 547 | 524 | 455 | 165 | 39 | 1 |
|------|-----|-----|-----|-----|----|---|

| | | | | | | | | | |
|----|--------|--------|--------|-------|-------|------|-----|-----|---|
| SD | 121.77 | 101.72 | 112.40 | 59.05 | 30.56 | 3.13 | .14 | .12 | 1 |
|----|--------|--------|--------|-------|-------|------|-----|-----|---|

****SPL 30YR 50 1471 1 (1981-1990)****

| | | | | | | |
|------|-----|-----|-----|-----|----|---|
| 1991 | 730 | 535 | 434 | 167 | 39 | 1 |
|------|-----|-----|-----|-----|----|---|

| | | | | | | | | | |
|----|--------|--------|--------|-------|-------|-------|-------|------|---|
| SD | 132.95 | 121.21 | 114.74 | 75.21 | 49.93 | 20.59 | 24.30 | 1.42 | 1 |
|----|--------|--------|--------|-------|-------|-------|-------|------|---|

| | | | | | | | |
|-----|----|--|----|-----|-----|------|------|
| 34 | 4 | | | 254 | 455 | 740 | 3735 |
| 27 | 15 | | 20 | 238 | 540 | 602 | 3829 |
| 52 | 1 | | 41 | 94 | 355 | 755 | 3676 |
| 16 | | | 43 | 70 | 425 | 746 | 3137 |
| 13 | | | 52 | 105 | 380 | 632 | 3402 |
| 123 | | | 27 | 244 | 551 | 719 | 3435 |
| 1 | | | | 64 | 379 | 594 | 2975 |
| 62 | | | 2 | 70 | 333 | 735 | 4036 |
| 57 | | | 1 | 55 | 507 | 508 | 3754 |
| 21 | | | 16 | 134 | 415 | 637 | 3315 |
| 43 | | | 12 | 153 | 361 | 737 | 2980 |
| 25 | 2 | | 13 | 149 | 445 | 630 | 3540 |
| 50 | 2 | | 12 | 73 | 373 | 1160 | 3759 |
| 33 | | | 52 | 142 | 410 | 512 | 3476 |
| 4 | | | 44 | 115 | 543 | 524 | 3725 |
| 30 | | | 3 | 124 | 545 | 704 | 3106 |
| 2 | | | 2 | 154 | 406 | 705 | 3263 |
| 11 | | | 5 | 133 | 325 | 575 | 3240 |
| | | | | | | | 1381 |

.....

| | | | | | | | |
|-------|------|-----|-----|-------|-------|-------|--------|
| 30 | 1 | 3 | 0 | 15 | 110 | 429 | 725 |
| 30.55 | 3.13 | .14 | .12 | 16.65 | 55.67 | 85.21 | 120.43 |

.....

5. 30YR SOIL PATTERNS (1951-1955)****

| | | | | | | | |
|-------|-------|-------|------|-------|-------|--------|--------|
| 30 | 1 | 3 | 0 | 13 | 112 | 491 | 675 |
| 30.93 | 20.39 | 24.00 | 3.49 | 40.25 | 55.35 | 109.01 | 114.95 |

OPERATING LOCATION "A"
HSAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
1234 HOURLY ESTIMATIONS

STATION NUMBER: 723540

STATION NAME: TINKER AFB TX
LST FT UTC: + 5

| YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG |
|-------|-----|-----|------|-----|-----|-----|-----|-----|
| 1943 | | | 12 | 112 | 143 | 472 | 53 | 542 |
| 1944 | | 4 | | 28 | 234 | 446 | 546 | 575 |
| 1945 | | | **** | 32 | 177 | 315 | 471 | 425 |
| 1946 | | | | | | | | |
| 1947 | | | 7 | 31 | 133 | 395 | 552 | 552 |
| 1948 | | | | 143 | 191 | 441 | 53 | 529 |
| 1949 | | | | 57 | 234 | 452 | 557 | 421 |
| 1950 | | | 5 | 41 | 180 | 365 | 37 | 391 |
| 1951 | | | | 45 | 153 | 372 | 554 | 551 |
| 1952 | 1 | | 7 | 32 | 193 | 552 | 555 | 452 |
| 1953 | | | 11 | 24 | 250 | 535 | 45 | 455 |
| 1954 | | 4 | 12 | 134 | 115 | 455 | 557 | 731 |
| 1955 | | 1 | 25 | 125 | 231 | 321 | 533 | 555 |
| 1956 | | | 20 | 55 | 305 | 471 | 515 | 555 |
| 1957 | | | | 35 | 139 | 350 | 551 | 545 |
| 1958 | | | | 23 | 241 | 417 | 5 | 551 |
| 1959 | | | 12 | 55 | 227 | 371 | 43 | 517 |
| 1960 | | | 5 | 57 | 145 | 345 | 455 | 555 |
| 1961 | | | 9 | 91 | 230 | 355 | 475 | 472 |
| 1962 | | 12 | 5 | 30 | 304 | 305 | 514 | 544 |
| 1963 | | | 35 | 105 | 225 | 435 | 555 | 537 |
| 1964 | | | | 89 | 252 | 455 | 543 | 520 |
| 1965 | | | | 93 | 190 | 375 | 501 | 515 |
| 1966 | | | 20 | 17 | 164 | 352 | 585 | 397 |
| 1967 | | | 39 | 31 | 191 | 340 | 377 | 401 |
| 1968 | | | 15 | 24 | 31 | 329 | 449 | 476 |

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

WATER AFB, OK

PERIOD OF RECORD: JAN 43 - FEB 39

| MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----|-----|-----|-----|-----|-----|------|------|------|
| 148 | 472 | 53 | 542 | 299 | 45 | | | 2410 |
| 234 | 448 | 545 | 575 | 259 | 93 | 22 | | 2190 |
| 177 | 315 | 471 | 425 | 303 | 41 | 19 | **** | 1857 |
| | | | | 255 | 117 | | 1 | 384 |
| 133 | 395 | 552 | 552 | 413 | 225 | **** | | 2354 |
| 191 | 441 | 533 | 519 | 355 | 74 | | 3 | 2274 |
| 238 | 482 | 587 | 431 | 213 | 94 | 5 | | 2141 |
| 140 | 365 | 371 | 390 | 199 | 154 | 4 | | 1717 |
| | | | | | | | | |
| 153 | 372 | 554 | 551 | 295 | 113 | 3 | 2 | 2220 |
| 193 | 580 | 555 | 552 | 353 | 55 | 17 | | 2425 |
| 252 | 535 | 458 | 455 | 335 | 130 | | | 2339 |
| 115 | 459 | 757 | 701 | 480 | 155 | | | 2553 |
| 231 | 331 | 533 | 555 | 377 | 54 | | 3 | 2350 |
| | | | | | | | | |
| 305 | 471 | 515 | 555 | 421 | 175 | 3 | | 2751 |
| 139 | 365 | 551 | 540 | 215 | 55 | 4 | | 2003 |
| 291 | 417 | 535 | 532 | 307 | 104 | 9 | | 2158 |
| 227 | 371 | 433 | 517 | 297 | 17 | 2 | | 1952 |
| 160 | 385 | 450 | 455 | 333 | 105 | 5 | | 1955 |
| | | | | | | | | |
| 230 | 385 | 470 | 472 | 227 | 51 | | | 1945 |
| 304 | 303 | 514 | 544 | 219 | 135 | | | 2071 |
| 225 | 435 | 555 | 537 | 320 | 226 | 6 | | 2455 |
| 202 | 405 | 547 | 522 | 275 | 27 | 12 | | 2186 |
| 190 | 375 | 501 | 515 | 309 | 50 | 10 | | 2157 |
| | | | | | | | | |
| 164 | 352 | 585 | 393 | 154 | 42 | 19 | | 1851 |
| 101 | 345 | 397 | 401 | 174 | 74 | | | 1507 |
| 31 | 320 | 447 | 474 | 195 | 71 | 6 | | 1534 |

| | | | | | | | |
|------|--|--|----|-----|-----|-----|-----|
| 1969 | | | 35 | 152 | 322 | 511 | 442 |
| 1970 | | | 53 | 201 | 377 | 524 | 539 |

| | | | | | | | |
|------|--|----|----|-----|-----|-----|-----|
| 1973 | | | 14 | 97 | 207 | 447 | 449 |
| 1974 | | 44 | 25 | 206 | 209 | 522 | 350 |
| 1975 | | 2 | 39 | 155 | 322 | 453 | 407 |

| | | | | | | | |
|------|---|----|----|-----|-----|-----|-----|
| 1976 | | 15 | 24 | 37 | 253 | 203 | 455 |
| 1977 | 1 | 5 | 65 | 233 | 474 | 575 | 519 |
| 1978 | | 2 | 51 | 166 | 345 | 534 | 401 |
| 1979 | | 15 | 37 | 154 | 323 | 517 | 507 |
| 1980 | | | 35 | 157 | 311 | 735 | 570 |

| | | | | | | | |
|------|---|----|-----|-----|-----|-----|-----|
| 1981 | 2 | | 111 | 104 | 405 | 527 | 504 |
| 1982 | | 5 | 23 | 132 | 247 | 545 | 574 |
| 1983 | | 7 | 35 | 117 | 272 | 547 | 500 |
| 1984 | | 2 | 21 | 150 | 410 | 531 | 500 |
| 1985 | | 24 | 52 | 259 | 450 | 547 | 531 |

| | | | | | | | |
|------|---|----|----|-----|-----|-----|-----|
| 1986 | 2 | 15 | 43 | 114 | 511 | 529 | 550 |
| 1987 | | | 57 | 219 | 354 | 453 | 574 |
| 1988 | | | 34 | 132 | 410 | 507 | 500 |

| | | | | | | | | |
|------|--|--|--|----|-----|-----|-----|-----|
| 1989 | | | | 57 | 177 | 300 | 545 | 537 |
|------|--|--|--|----|-----|-----|-----|-----|

| | | | | | | | | |
|----|------|------|-------|-------|-------|-------|-------|------|
| 50 | 1.12 | 1.00 | 11.00 | 35.50 | 57.33 | 77.10 | 57.10 | 5.73 |
|----|------|------|-------|-------|-------|-------|-------|------|

*****SPL 3000 50000000 (1000-1000)*****

| | | | | | | | | |
|------|--|--|----|----|-----|-----|-----|-----|
| 1989 | | | 17 | 54 | 155 | 302 | 501 | 500 |
|------|--|--|----|----|-----|-----|-----|-----|

| | | | | | | | | |
|----|------|------|------|-------|--------|--------|--------|--------|
| 50 | 1.12 | 1.00 | 7.21 | 40.52 | 155.28 | 250.14 | 512.17 | 577.10 |
|----|------|------|------|-------|--------|--------|--------|--------|

| | | | | | | | |
|-----|-----|-----|-----|-----|-----|----|------|
| 152 | 322 | 511 | 492 | 298 | 43 | 1 | 1974 |
| 201 | 370 | 524 | 538 | 367 | 47 | | 2150 |
| 157 | 293 | 442 | 442 | 181 | 33 | 5 | 1550 |
| 206 | 289 | 522 | 360 | 93 | 63 | | 1682 |
| 155 | 322 | 453 | 453 | 125 | 92 | 2 | 1758 |
| 137 | 263 | 353 | 455 | 172 | 31 | | 1335 |
| 238 | 474 | 575 | 519 | 426 | 72 | 2 | 2373 |
| 166 | 385 | 504 | 481 | 385 | 78 | 13 | 2173 |
| 154 | 333 | 507 | 527 | 274 | 132 | | 1755 |
| 157 | 511 | 735 | 572 | 610 | 80 | 15 | 2527 |
| 104 | 408 | 523 | 494 | 350 | 54 | | 2177 |
| 132 | 247 | 546 | 573 | 291 | 87 | 4 | 1709 |
| 117 | 309 | 549 | 520 | 347 | 93 | 15 | 2090 |
| 150 | 410 | 531 | 522 | 317 | 77 | | 2134 |
| 208 | 520 | 547 | 531 | 322 | 54 | 4 | 2215 |
| 114 | 511 | 524 | 450 | 305 | 30 | | 2012 |
| 213 | 384 | 453 | 576 | 245 | 32 | 15 | 1924 |
| 152 | 414 | 557 | 504 | 233 | 34 | 12 | 2191 |

| | | | | | | | |
|-------|-------|-------|------|-------|-------|------|------|
| 177 | 545 | 532 | 225 | 25 | 6 | 2 | |
| 57.23 | 77.19 | 38.16 | 5.73 | 94.51 | 48.39 | 5.57 | 4.33 |

338-50-001124 (1051-1231)****

| | | | | | | | |
|-------|--------|--------|--------|--------|-------|------|------|
| 155 | 322 | 511 | 443 | 273 | 72 | 4 | |
| 15.28 | 250.14 | 512.97 | 477.10 | 253.57 | 77.94 | 1.51 | 4.00 |

STATION NAME: TINKER AFB TX
 LATITUDE/LONGITUDE: 35 25' N 97 25' W
 CLIMATIC PERIOD: MAR 72 - FEB 73
 SUMMARY OF DAY PERIOD: JAN 43 - FEB 49
 GROUPS SUMMARIZED: 0000 - 2300
 TIME ZONE: EST TO UTC: +05

| CLIMATIC ELEMENT | JAN | FEB | MAR | APR | MAY | JUN | JUL |
|--------------------|-------|-------|-------|------|-------|-------|-------|
| TEMP MAX 1200 (F) | 80 | 85 | 91 | 98 | 104 | 106 | 109 |
| TEMP MAX 1200 (C) | 26.1 | 31.1 | 33.1 | 36.7 | 40.0 | 41.7 | 43.3 |
| TEMP MIN 1200 (F) | 37.0 | 41.0 | 42.9 | 48.0 | 55.0 | 77.0 | 82.0 |
| TEMP MIN 1200 (C) | 3.3 | 5.0 | 5.5 | 8.9 | 12.8 | 25.0 | 27.8 |
| TEMP MEAN 1200 (F) | -7 | -1 | -1 | 26 | 35 | 61 | 65 |
| TEMP MEAN 1200 (C) | -19 | -17 | -17 | 3 | 7 | 16 | 19 |
| TEMP MAX 0600 (F) | 50 | 55 | 61 | 68 | 74 | 77 | 80 |
| TEMP MAX 0600 (C) | 10.0 | 13.3 | 16.1 | 20.0 | 23.3 | 25.0 | 26.7 |
| TEMP MIN 0600 (F) | 21 | 16 | 15 | 11 | 10 | 12 | 15 |
| TEMP MIN 0600 (C) | 7 | 3 | 1 | 1 | 1 | 2 | 3 |
| TEMP MEAN 0600 (F) | 34 | 34 | 37 | 39 | 42 | 44 | 47 |
| TEMP MEAN 0600 (C) | 1 | 1 | 3 | 4 | 5 | 6 | 8 |
| TEMP MAX 0000 (F) | 47 | 52 | 55 | 60 | 67 | 70 | 73 |
| TEMP MAX 0000 (C) | 8 | 11 | 13 | 15 | 19 | 21 | 23 |
| TEMP MIN 0000 (F) | 24.4 | 28.4 | 28.3 | 44.1 | 50.0 | 55.0 | 59.0 |
| TEMP MIN 0000 (C) | 3.7 | 5.1 | 4.9 | 10.1 | 11.1 | 12.8 | 15.0 |
| TEMP MEAN 0000 (F) | 17.0 | 18.0 | 17.0 | 19.0 | 17.0 | 17.0 | 17.0 |
| TEMP MEAN 0000 (C) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| TEMP MAX 0300 (F) | 53.0 | 58.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0300 (C) | 11.3 | 13.9 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0300 (F) | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 |
| TEMP MIN 0300 (C) | -1.0 | -1.0 | -1.0 | 0.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0300 (F) | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| TEMP MEAN 0300 (C) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| TEMP MAX 0900 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0900 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0900 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 0900 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0900 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 0900 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 1500 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 1500 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 1500 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 1500 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 1500 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 1500 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 2100 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 2100 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 2100 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 2100 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 2100 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 2100 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 0000 (F) | 47.0 | 52.0 | 55.0 | 60.0 | 67.0 | 70.0 | 73.0 |
| TEMP MAX 0000 (C) | 8.0 | 11.0 | 13.0 | 15.0 | 19.0 | 21.0 | 23.0 |
| TEMP MIN 0000 (F) | 24.0 | 28.0 | 28.0 | 44.0 | 50.0 | 55.0 | 59.0 |
| TEMP MIN 0000 (C) | 3.0 | 5.0 | 4.0 | 10.0 | 11.0 | 12.0 | 15.0 |
| TEMP MEAN 0000 (F) | 17.0 | 18.0 | 17.0 | 19.0 | 17.0 | 17.0 | 17.0 |
| TEMP MEAN 0000 (C) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| TEMP MAX 0300 (F) | 53.0 | 58.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0300 (C) | 11.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0300 (F) | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 |
| TEMP MIN 0300 (C) | -1.0 | -1.0 | -1.0 | 0.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0300 (F) | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| TEMP MEAN 0300 (C) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| TEMP MAX 0600 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0600 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0600 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 0600 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0600 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 0600 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 0900 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0900 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0900 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 0900 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0900 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 0900 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 1200 (F) | 80.0 | 85.0 | 91.0 | 98.0 | 104.0 | 106.0 | 109.0 |
| TEMP MAX 1200 (C) | 26.0 | 31.0 | 33.0 | 36.0 | 40.0 | 41.0 | 43.0 |
| TEMP MIN 1200 (F) | 37.0 | 41.0 | 42.0 | 48.0 | 55.0 | 77.0 | 82.0 |
| TEMP MIN 1200 (C) | 3.0 | 5.0 | 5.0 | 8.0 | 12.0 | 25.0 | 27.0 |
| TEMP MEAN 1200 (F) | -7.0 | -1.0 | -1.0 | 26.0 | 35.0 | 61.0 | 65.0 |
| TEMP MEAN 1200 (C) | -19.0 | -17.0 | -17.0 | 3.0 | 7.0 | 16.0 | 19.0 |
| TEMP MAX 1500 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 1500 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 1500 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 1500 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 1500 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 1500 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 1800 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 1800 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 1800 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 1800 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 1800 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 1800 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 2100 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 2100 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 2100 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 2100 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 2100 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 2100 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 0000 (F) | 47.0 | 52.0 | 55.0 | 60.0 | 67.0 | 70.0 | 73.0 |
| TEMP MAX 0000 (C) | 8.0 | 11.0 | 13.0 | 15.0 | 19.0 | 21.0 | 23.0 |
| TEMP MIN 0000 (F) | 24.0 | 28.0 | 28.0 | 44.0 | 50.0 | 55.0 | 59.0 |
| TEMP MIN 0000 (C) | 3.0 | 5.0 | 4.0 | 10.0 | 11.0 | 12.0 | 15.0 |
| TEMP MEAN 0000 (F) | 17.0 | 18.0 | 17.0 | 19.0 | 17.0 | 17.0 | 17.0 |
| TEMP MEAN 0000 (C) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| TEMP MAX 0300 (F) | 53.0 | 58.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0300 (C) | 11.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0300 (F) | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 |
| TEMP MIN 0300 (C) | -1.0 | -1.0 | -1.0 | 0.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0300 (F) | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| TEMP MEAN 0300 (C) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| TEMP MAX 0600 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0600 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0600 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 0600 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0600 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 0600 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 0900 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0900 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0900 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 0900 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0900 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 0900 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 1200 (F) | 80.0 | 85.0 | 91.0 | 98.0 | 104.0 | 106.0 | 109.0 |
| TEMP MAX 1200 (C) | 26.0 | 31.0 | 33.0 | 36.0 | 40.0 | 41.0 | 43.0 |
| TEMP MIN 1200 (F) | 37.0 | 41.0 | 42.0 | 48.0 | 55.0 | 77.0 | 82.0 |
| TEMP MIN 1200 (C) | 3.0 | 5.0 | 5.0 | 8.0 | 12.0 | 25.0 | 27.0 |
| TEMP MEAN 1200 (F) | -7.0 | -1.0 | -1.0 | 26.0 | 35.0 | 61.0 | 65.0 |
| TEMP MEAN 1200 (C) | -19.0 | -17.0 | -17.0 | 3.0 | 7.0 | 16.0 | 19.0 |
| TEMP MAX 1500 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 1500 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 1500 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 1500 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 1500 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 1500 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 1800 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 1800 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 1800 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 1800 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 1800 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 1800 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 2100 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 2100 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 2100 (F) | 21.0 | 16.0 | 15.0 | 11.0 | 10.0 | 12.0 | 15.0 |
| TEMP MIN 2100 (C) | 7.0 | 3.0 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 2100 (F) | 34.0 | 34.0 | 37.0 | 39.0 | 42.0 | 44.0 | 47.0 |
| TEMP MEAN 2100 (C) | 1.0 | 1.0 | 3.0 | 4.0 | 5.0 | 6.0 | 8.0 |
| TEMP MAX 0000 (F) | 47.0 | 52.0 | 55.0 | 60.0 | 67.0 | 70.0 | 73.0 |
| TEMP MAX 0000 (C) | 8.0 | 11.0 | 13.0 | 15.0 | 19.0 | 21.0 | 23.0 |
| TEMP MIN 0000 (F) | 24.0 | 28.0 | 28.0 | 44.0 | 50.0 | 55.0 | 59.0 |
| TEMP MIN 0000 (C) | 3.0 | 5.0 | 4.0 | 10.0 | 11.0 | 12.0 | 15.0 |
| TEMP MEAN 0000 (F) | 17.0 | 18.0 | 17.0 | 19.0 | 17.0 | 17.0 | 17.0 |
| TEMP MEAN 0000 (C) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| TEMP MAX 0300 (F) | 53.0 | 58.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0300 (C) | 11.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27.0 |
| TEMP MIN 0300 (F) | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 |
| TEMP MIN 0300 (C) | -1.0 | -1.0 | -1.0 | 0.0 | 1.0 | 2.0 | 3.0 |
| TEMP MEAN 0300 (F) | 6.0 | 6.0 | 6.0 | 7.0 | 7.0 | 7.0 | 7.0 |
| TEMP MEAN 0300 (C) | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| TEMP MAX 0600 (F) | 50.0 | 55.0 | 60.0 | 65.0 | 70.0 | 75.0 | 79.0 |
| TEMP MAX 0600 (C) | 10.0 | 13.0 | 15.0 | 18.0 | 21.0 | 25.0 | 27. |

STATION NO. 097 23 4
 - FEB 39
 - 43 - FEB 39
 - 3400 - 1ST

FIELD ELEV: 1291 FT
 STATION MNC: 723540
 CALL SIGN: KTIK
 SUP-RECORDS: JUN 35

| | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN | YOR |
|----|------|------|-------|-------|------|------|-------|-------|------|------|-------|
| 1 | 41 | 48 | 104 | 106 | 107 | 107 | 92 | 84 | 85 | 109 | 46 |
| 2 | 58.1 | 73.2 | 71.0 | 74.8 | 71.8 | 83.7 | 73.1 | 59.6 | 49.4 | 70.2 | 46 |
| 3 | 40.9 | 60.0 | 60.2 | 77.4 | 62.1 | 61.6 | 73.9 | 63.3 | 50.1 | 40.7 | 46 |
| 4 | 39.4 | 60.6 | 73.3 | 67.3 | 72.2 | 71.1 | 65.7 | 63.2 | 49.3 | 31.3 | 46 |
| 5 | -1 | 26 | 35 | 61 | 53 | 55 | 37 | 26 | 11 | -7 | 46 |
| 6 | 0 | 0 | 8 | 1 | 3 | 4 | 1 | 0 | 0 | 9 | 46 |
| 7 | 0 | 1 | 2 | 1 | 23 | 23 | 6 | 1 | 0 | 63 | 46 |
| 8 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | 17 | 67 | 46 |
| 9 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 15 | 46 |
| 10 | 445 | 156 | 20 | 1 | 8 | 9 | 15 | 119 | 42 | 725 | 46 |
| 11 | 0 | 57 | 177 | 311 | 145 | 632 | 295 | 55 | 8 | 2095 | 46 |
| 12 | 44.3 | 44.1 | 65.6 | 64.3 | 65.6 | 65.2 | 61.7 | 43.3 | 37.6 | 28.0 | 46.5 |
| 13 | 44.4 | 42.1 | 60.9 | 63.7 | 71.2 | 70.8 | 64.6 | 64.6 | 44.2 | 35.9 | 63.1 |
| 14 | 1355 | 1355 | 1750 | 1600 | 1460 | 1500 | 1500 | 1555 | 1460 | 1300 | 1750 |
| 15 | 70.2 | 60.3 | 75.1 | 75.0 | 69.2 | 70.7 | 73.6 | 73.5 | 74.7 | 71.4 | 71.7 |
| 16 | 6.1 | 66.2 | 66.2 | 66.1 | 47.3 | 46.8 | 49.6 | 62.7 | 64.6 | 66.6 | 61.6 |
| 17 | 3.2 | 3.39 | 6.65 | 6.10 | 4.54 | 3.27 | 6.15 | 5.33 | 3.37 | 3.56 | 6.15 |
| 18 | 7.7 | 6.69 | 12.61 | 11.18 | 8.22 | 3.27 | 11.35 | 13.45 | 7.26 | 2.63 | 50.17 |
| 19 | 2.64 | 2.30 | 3.16 | 4.17 | 5.26 | 2.32 | 3.42 | 3.27 | 1.99 | 1.64 | 33.83 |
| 20 | 1.11 | 1.35 | 1.34 | 1.35 | # | 1.01 | # | # | 1.00 | 1.02 | 17.35 |
| 21 | 7 | 7 | 0 | 0 | 6 | 6 | 7 | 6 | 6 | 77 | 46 |
| 22 | 0 | 2 | 4 | 3 | 2 | 1 | 2 | 2 | 1 | 1 | 22 |
| 23 | 1.7 | 1.0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 10.2 | 10.2 | 43 |
| 24 | 17.0 | 1.2 | 0 | 0 | 0 | 0 | 0 | 0.3 | 12.6 | 26.0 | 43 |
| 25 | 1.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 9.5 | 43 |
| 26 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 6 | 43 |
| 27 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 43 |
| 28 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 12 | 43 |
| 29 | 1.0 | 1.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 3.6 | 1.6 | 1.6 |
| 30 | 2.6 | 3.7 | 7.7 | 7.3 | 7.0 | 6.3 | 7.3 | 7.0 | 8.6 | 6.4 | 7.3 |
| 31 | 17 | 68 | 77 | 72 | 70 | 62 | 62 | 64 | 64 | 64 | 37 |
| 32 | 65.0 | 49.6 | 55.0 | 49.3 | 31.0 | 36.2 | 40.0 | 47.3 | 47.0 | 51.3 | 47.5 |
| 33 | 3 | 0 | 0 | 0 | 6 | 5 | 4 | 3 | 1 | 1 | 47 |
| 34 | 10 | 7 | 8 | 4 | 3 | 4 | 7 | 7 | 3 | 10 | 38 |

PER/YOR = PERIOD/YEARS OF RECORD
 WOPR = WIND CASE MAXIMUM PRESSURE ALTITUDE
 # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
 E = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

| | | PERCENT OCCURRENCE FREQUENCY OF | | | | | | |
|------------|---------|---------------------------------|------|------|------|------|------|-----|
| MONTH | | JAN | FEB | MAR | APR | MAY | JUN | JUL |
| USI | | | | | | | | |
| | 02 - 02 | 15.7 | 26.3 | 14.5 | 14.0 | 15.7 | 6.3 | 1.1 |
| | 03 - 05 | 21.4 | 30.0 | 22.7 | 15.2 | 20.4 | 13.4 | 4.1 |
| USI | 06 - 08 | 23.7 | 33.7 | 22.6 | 21.3 | 25.7 | 12.2 | 7.7 |
| LT 1100 FT | 09 - 11 | 25.4 | 34.0 | 23.0 | 21.7 | 24.1 | 10.0 | 5.5 |
| W/1/2 | 12 - 14 | 20.3 | 29.6 | 24.2 | 15.7 | 17.3 | 6.7 | 2.5 |
| W/1/2 | 15 - 17 | 12.2 | 25.1 | 19.5 | 12.0 | 10.4 | 4.0 | .5 |
| LT 1100 FT | 18 - 20 | 15.5 | 22.5 | 17.4 | 8.9 | 9.1 | 3.3 | .5 |
| | 21 - 23 | 12.7 | 22.2 | 10.1 | 10.2 | 11.5 | 4.2 | 1.0 |
| | ALL | 20.5 | 22.1 | 22.2 | 15.3 | 15.8 | 7.2 | 3.5 |
| USI | | | | | | | | |
| | 02 - 02 | 19.1 | 19.2 | 11.5 | 3.1 | 3.3 | 6.1 | 1.7 |
| | 03 - 05 | 17.6 | 22.4 | 15.2 | 10.7 | 14.4 | 7.5 | 1.2 |
| USI | 06 - 08 | 20.2 | 27.7 | 20.4 | 13.1 | 15.5 | 7.1 | 1.2 |
| LT 1100 FT | 09 - 11 | 20.2 | 25.9 | 15.5 | 14.2 | 12.5 | 5.5 | 1.2 |
| W/1/2 | 12 - 14 | 13.5 | 21.4 | 12.7 | 5.0 | 5.5 | 2.2 | .5 |
| W/1/2 | 15 - 17 | 12.6 | 17.4 | 10.5 | 5.5 | 5.5 | 2.2 | .5 |
| LT 1100 FT | 18 - 20 | 10.5 | 15.5 | 10.6 | 5.2 | 5.4 | 2.2 | .5 |
| | 21 - 23 | 14.5 | 16.4 | 9.5 | 5.5 | 5.7 | 2.2 | .5 |
| | ALL | 14.5 | 21.1 | 13.5 | 3.5 | 5.7 | 4.5 | 1.7 |
| USI | | | | | | | | |
| | 02 - 02 | 11.7 | 13.5 | 5.0 | 3.3 | 3.7 | 3.2 | .5 |
| | 03 - 05 | 14.1 | 17.3 | 10.5 | 5.7 | 10.4 | 5.7 | 2.4 |
| USI | 06 - 08 | 12.2 | 17.5 | 14.5 | 10.4 | 13.2 | 6.5 | 2.2 |
| LT 1100 FT | 09 - 11 | 10.2 | 21.7 | 12.2 | 5.5 | 5.5 | 5.1 | .5 |
| W/1/2 | 12 - 14 | 11.4 | 15.3 | 7.1 | 5.5 | 2.2 | 1.5 | .5 |
| W/1/2 | 15 - 17 | 5.5 | 13.3 | 5.7 | 3.7 | 2.2 | 1.4 | .1 |
| LT 1100 FT | 18 - 20 | 8.5 | 12.5 | 7.4 | 3.7 | 3.2 | 1.4 | .1 |
| | 21 - 23 | 9.5 | 13.2 | 7.2 | 4.1 | 4.5 | 1.4 | .2 |
| | ALL | 12.1 | 16.2 | 9.5 | 4.2 | 5.2 | 3.2 | .5 |
| USI | | | | | | | | |
| | 02 - 02 | 2.4 | 2.4 | .5 | 1.1 | 1.5 | .2 | .5 |
| | 03 - 05 | 3.1 | 3.5 | 1.0 | 2.1 | 1.4 | .9 | .5 |
| USI | 06 - 08 | 3.4 | 3.3 | 2.2 | 1.2 | .5 | .2 | .5 |
| LT 1100 FT | 09 - 11 | 3.3 | 4.1 | 1.5 | .2 | .2 | .2 | .5 |
| W/1/2 | 12 - 14 | 1.2 | .7 | .5 | .1 | .5 | .5 | .5 |
| W/1/2 | 15 - 17 | 1.1 | .5 | .1 | .5 | .1 | .2 | .5 |
| LT 1100 FT | 18 - 20 | 1.0 | 1.5 | .2 | .5 | .5 | .5 | .1 |
| | 21 - 23 | 1.3 | 1.4 | .1 | .3 | .2 | .1 | .5 |
| | ALL | 2.1 | 2.4 | .9 | .5 | .5 | .3 | .5 |

USI 100% 5/75 MEDAL STORIES OBSERVED FOR THE PERIOD 1900 - 1905:

| | | | | | |
|-------|-----|-----|-----|-----|-----|
| 4175 | JUN | JUL | 100 | 5/7 | 5/7 |
| 5075 | 6/0 | 6/0 | 6/1 | 5/2 | 5/1 |
| 12075 | 6/2 | 6/0 | 6/1 | 6/1 | 5/4 |
| 24075 | 6/2 | 6/1 | 6/5 | 6/4 | 6/1 |

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

| APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN | YOR |
|------|------|------|-----|-----|------|------|------|------|------|-----|
| 14.0 | 15.7 | 5.3 | 1.8 | 1.8 | 7.9 | 19.8 | 21.2 | 26.3 | 15.0 | 10 |
| 15.2 | 20.4 | 10.4 | 4.1 | 3.4 | 9.3 | 23.7 | 25.9 | 29.0 | 18.0 | 10 |
| 21.8 | 25.7 | 12.2 | 7.7 | 6.1 | 13.2 | 27.0 | 30.2 | 31.6 | 21.8 | 10 |
| 21.7 | 24.1 | 10.9 | 5.5 | 4.3 | 12.3 | 24.9 | 29.0 | 29.5 | 20.8 | 10 |
| 15.8 | 17.3 | 6.7 | 2.6 | 2.2 | 9.2 | 19.9 | 25.0 | 25.2 | 16.6 | 10 |
| 12.0 | 10.4 | 4.0 | .5 | 1.4 | 5.1 | 16.2 | 19.7 | 22.4 | 12.9 | 10 |
| 8.9 | 9.1 | 3.3 | .5 | 1.3 | 4.4 | 14.1 | 17.9 | 22.2 | 11.6 | 10 |
| 10.2 | 11.1 | 4.2 | 1.0 | 1.3 | 5.3 | 15.9 | 19.1 | 24.1 | 12.8 | 10 |
| 15.3 | 15.8 | 7.3 | 3.0 | 2.7 | 6.4 | 20.2 | 23.5 | 25.3 | 16.1 | 10 |
| 9.1 | 8.9 | 4.1 | 1.6 | 1.7 | 5.3 | 15.4 | 17.9 | 20.4 | 11.0 | 10 |
| 10.7 | 14.4 | 7.5 | 3.2 | 2.7 | 7.4 | 17.3 | 19.8 | 22.3 | 13.5 | 10 |
| 15.1 | 19.0 | 9.1 | 5.2 | 5.1 | 10.4 | 22.0 | 22.7 | 24.6 | 16.8 | 10 |
| 14.2 | 12.1 | 5.5 | 1.7 | 2.2 | 8.9 | 16.5 | 20.6 | 23.5 | 14.3 | 10 |
| 5.0 | 5.5 | 2.2 | .5 | 1.0 | 4.4 | 10.9 | 15.5 | 18.3 | 9.8 | 10 |
| 5.8 | 4.5 | 2.0 | .2 | 1.1 | 2.9 | 5.5 | 12.7 | 15.6 | 7.9 | 10 |
| 5.2 | 5.4 | 2.5 | .5 | .9 | 2.7 | 4.5 | 12.7 | 16.8 | 7.7 | 10 |
| 5.5 | 5.7 | 2.7 | .5 | .9 | 3.5 | 10.9 | 15.3 | 17.6 | 8.7 | 10 |
| 5.5 | 5.7 | 4.5 | 1.7 | 1.0 | 5.9 | 13.4 | 17.1 | 19.9 | 11.2 | 10 |
| 5.2 | 5.7 | 3.3 | .9 | 1.0 | 4.4 | 11.2 | 15.0 | 15.3 | 8.1 | 10 |
| 5.7 | 10.4 | 5.7 | 2.4 | 2.2 | 5.0 | 14.3 | 15.7 | 16.3 | 10.3 | 10 |
| 10.6 | 12.5 | 5.5 | 2.2 | 2.9 | 7.3 | 17.5 | 17.1 | 20.0 | 12.3 | 10 |
| 5.5 | 5.3 | 2.1 | .2 | 1.1 | 5.1 | 12.5 | 15.2 | 19.0 | 10.0 | 10 |
| 5.5 | 2.7 | 1.5 | .0 | .5 | 2.5 | 7.0 | 9.4 | 13.4 | 6.5 | 10 |
| 3.7 | 2.9 | 1.4 | .1 | .3 | 1.1 | 4.7 | 9.6 | 11.7 | 5.3 | 10 |
| 3.7 | 3.2 | 1.4 | .1 | .2 | 1.1 | 7.1 | 10.7 | 12.3 | 5.7 | 10 |
| 4.1 | 4.5 | 1.5 | .2 | .5 | 2.5 | 5.1 | 12.3 | 13.7 | 6.5 | 10 |
| 5.2 | 5.2 | 3.0 | .3 | 1.1 | 3.9 | 10.4 | 13.2 | 15.2 | 8.1 | 10 |
| 1.1 | 1.5 | .7 | .0 | .3 | .5 | 2.5 | 2.2 | 2.8 | 1.4 | 10 |
| 1.1 | 1.5 | .9 | .0 | .4 | .4 | 2.5 | 2.5 | 2.5 | 1.7 | 10 |
| 1.0 | .8 | .9 | .0 | .4 | .5 | 2.0 | 2.9 | 3.1 | 2.0 | 10 |
| .0 | .0 | .0 | .0 | .0 | .0 | .5 | 2.0 | 2.0 | 1.1 | 10 |
| .1 | .1 | .3 | .0 | .0 | .0 | .3 | .7 | 1.4 | .4 | 10 |
| .0 | .1 | .2 | .0 | .1 | .0 | .3 | .7 | 1.1 | .4 | 10 |
| .2 | .5 | .0 | .1 | .0 | .0 | .2 | .7 | 1.2 | .4 | 10 |
| .3 | .2 | .1 | .0 | .0 | .2 | .4 | .8 | 2.3 | .6 | 10 |
| .5 | .5 | .3 | .0 | .2 | .2 | 1.1 | 1.6 | 2.1 | 1.0 | 10 |

1900 - 1950:

| | | | |
|----|-----|-----|------|
| 01 | 005 | 5/2 | 4/1 |
| 02 | 0/1 | 0/0 | 0/1 |
| 03 | 0/1 | 0/1 | 0/4 |
| 04 | 0/5 | 5/4 | 6/12 |